The Engineer

Tabular Summary of Civil Engineering Contracts, 1953

ON the pages of this Supplement there will be found tables giving some brief particulars of important civil engineering schemes upon which work was proceeding during 1953. Only those schemes for which contracts have already been awarded or are just about to be awarded have been included. The information upon which the tables have been based was obtained from Consulting Engineers, Port Authorities, River Boards, Water Authorities, some steel companies, the London County Council, the Railway Executive, the London Transport Executive, the Ministry of Transport and certain oil companies. Our thanks are due to all the firms and organisations that have co-operated with us.

The tables are for the most part self-explanatory. The first column of each table is headed Title of Scheme and/or Purchasing Authority. In many cases the scheme has no distinctive title and the purchasing authority is given only ; in some the title of the scheme gives an indication of the identity of the body for which the work is being carried out, and the purchasing authority is not then entered. Many bodies, such as River Boards and Port Authorities, have their own engineering staffs and employ no consulting engineers. In such cases the body concerned is entered in the second column as the supervising authority. In some cases where the chief engineer or other official of the purchasing authority has acted in conjunction with the consulting engineers or is himself directing the work his name is entered in italics. The entries under " Nature of Scheme and Notes " are designed to convey an impression of the nature and also the magnitude of the works, but do not necessarily mention more than the more important items. They include reference to any features of particular interest. Sub-contractors are excluded from the " Contractors " column, and only if responsible for a very substantial part of the work are contractors other than those for civil engineering works mentioned. The " Estimated Cost " is that of the complete scheme except where the alignment shows it to be that of one of the component contracts.

INDEX

	PAGE
Airports	v
Coast Protection	v
District Heating	vii
Drainage and Sewage Works	vii
Harbours and Docks	xix
Hydro-Electric Works	xxv
Irrigation	xxvii
Power Stations	xxvii
Railways	xxxi
Rivers and Waterways	xxxiv
Roads	xxxv
Site Development	xxxvi
Steelworks	xxxvii
Structural and Industrial	xxxvii
Water Supply	xliii

Works such as dams, bridges and tunnels are included under the relevant heading in the above list.

Contracts below £50,000 in value are not included in the Supplement unless they form part of a larger scheme. In the three sections "Site Development," "Steelworks" and "Structural and Industrial," contracts valued below £100,000 are not included.

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		AIRPORTS		£		
HOME						
Ministry of Civil Aviation	Blyth & Blyth	Renfrew Airport : terminal buildings...	A. A. Stuart & Sons (Glasgow), Ltd.	150,000	Apr., 1953	1954
Ditto	Sir William Halcrow & Partners ; Ewbank & Partners, Ltd. ; G. H. Buckle & Partners	London Airport : Central terminal buildings and area heating stations	Taylor Woodrow, Ltd. ; Redpath Brown & Co., Ltd.	4,000,000	Oct., 1951	1956
British European Airways	Scott & Wilson ; Roger Preston & Partners ; Barlow, Leslie & Partners	London Airport : hangars, workshops, road and drainage, &c. ; staff catering block	Holland, Hannen & Cubitts, Ltd.	2,400,000	July, 1950	Feb., 1954
ABROAD						
Govt. of Tanganyika ...	Sir Alexander Gibb & Partners	New airport at Dar es Salaam : site development, civil engineering works	Tanganyika Eng. & Constr. Co. (1950), Ltd.	550,000	June, 1951	—
Hong Kong	Scott & Wilson	Kai Tak Airport : site development, reclamation and terminal buildings	Not yet let	5,000,000	—	—
Nyasaland Govt.	Ditto	Airport at Salima	Ditto	290,000	—	—
Hashemite Kingdom of the Jordan	Frederick S. Snow & Partners	Kalandia Airport : extension to runway and other works	Said Awad Bros. & Co.	80,000	Oct., 1953	1954
		Amman Airport : central terminal buildings and taxi tracks	Not yet let	—	1954	—
		COAST PROTECTION				
HOME						
1953 East Coast Flood Sea Defence Works						
Humber and S. Yorks. Coast	Hull & East Yorkshire River Board; *G. Ellison*	Reconstruction of 5½ miles of embankments on N. shore of Humber ; construction of sea bank at Easington	R. Costain, Ltd.	250,000	1953	1953
	Ditto	Reconstruction of River Hull embankments ...	Direct labour	100,000	1953	—
Lincolnshire Coast ...	Lincolnshire River Board; *F. H. Tomes*	Closure of major breaches, with embankments of slag, clay, &c., and steel sheet piling. Construction of permanent sea defences, clay embankments, reinforced concrete stepped walls and precast slab walls	W. Moss & Sons, Ltd. ; W. J. Simms Sons & Cooke, Ltd. ; Dowsett Eng. Constr., Ltd. ; Tarmac, Ltd.; Mitchell Constr. Co., Ltd.; Gee Walker & Slater, Ltd.; J. Branch ; Lehane Mackenzie & Shand, Ltd.; Holloway Bros. (London), Ltd.; A. E. Farr, Ltd.; G. Wimpey & Co., Ltd.; Sir R. McAlpine & Sons (Midlands), Ltd.; Butterley Co., Ltd.; H. O. Andrews, Ltd.; W. G. C. Hammond, Ltd., and direct labour	5,000,000	1953	1954
	Wilton & Bell ; C. H. Dobbie	Sea walls forming part of Lincolnshire works within Mablethorpe and Sutton U.D.C.s				
Welland Estuary and adjoining coast	Welland River Board ; *E. G. Taverner*	Reconstruction of sea embankments	G. Wimpey & Co., Ltd.	165,000	1953	1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		COAST PROTECTION (*continued*)		£		
HOME						
Norfolk Coast, Wolferton to Hunstanton; Estuary of River Great Ouse	Great Ouse River Board *W. E. Doran*	Reconstruction of sea embankments, 8 miles; reconstruction of r.c. sea walls; construction of new r.c. wall. Reconstruction of embankments in river estuary and construction of flood walls	Ormac Constr. Co., Ltd.; J. L. Kier & Co., Ltd.; Direct labour	470,000	1953	1953
Norfolk and Suffolk Coastline	East Suffolk & Norfolk River Board; *K. E. Cotton*	Reconstruction of embankments and sand dunes; steel piled r.c. sea walls	J. Laing & Sons, Ltd.; Harbour & General Works, Ltd.; W. & C. French, Ltd.; Aldertons, Ltd.; E. Nuttall Sons & Co (London), Ltd.; R. Robinson (Contrs.), Ltd.; J. B. Edwards (Whyteleafe), Ltd.; Dowsett Eng. Constr., Ltd.; Marples Ridgway & Partners, Ltd.; Dredging & Constr. Co., Ltd.; R. Costain, Ltd.; May, Gurney & Co., Ltd.	2,000,000	1953	1954
	Lewis & Duvivier	Sea walls and groynes at Sea Palling and Horsey/Winterton				
R.D.C.s of Erpingham; Mundesley; Smallborough; Blofield and Flegg; and Lothingland	S. W. Mobbs	Construction of steel piled r.c. sea walls and permeable steel groynes and revetments	May, Gurney & Co., Ltd.; M. Maclean	554,000	1953	1955
			Not yet let	410,000	—	—
Essex Coast	Essex River Board; *E. L. Snell*	Reconstruction of sea and estuarial embankments; closure of breaches with steel sheet piling; precast block facing of embankments, steel pile and r.c. crest walls, &c.	J. Gerrard & Sons, Ltd.; W. & C. French, Ltd.; Harbour & General Works, Ltd.; Gilbert Ash, Ltd.; J. T. Mackley & Co., Ltd.; J. Laing & Sons, Ltd.; J. Howard, Ltd.; Tarmac, Ltd.; Holloway Bros. (London), Ltd.; Demolition & Constr. Co., Ltd.; J. L. Kier & Co., Ltd.; J. Laing & Sons, Ltd.; G. Wimpey & Co., Ltd.; Herts Plant Hire, Ltd.	3,500,000	1953	1954
North Kent Coast... ...	Kent River Board; *J. I. Taylor*	Major reconstruction of embankments; construction and reconstruction of p.c. block facings, concrete wave walls and r.c. sea walls	Holloway Bros. (London), Ltd.; Mears Bros. (Contrs.), Ltd.; Demolition & Constr. Co., Ltd.; Marples Ridgway & Partners, Ltd.; Sir R. McAlpine & Sons, Ltd.; Hilton Sarsfield, Ltd.; J. T. Mackley & Co., Ltd.; Taylor Woodrow Constr., Ltd.; Rush & Tompkins, Ltd.; J. Mowlem & Co., Ltd.; H. Alford; J. W. Ellingham, Ltd.	8,500,000	1953	1954
Hornsea U.D.C.	John H. Haiste & Partners...	Sea defences	A. Waterman, Ltd.; others not yet let	116,000	1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		COAST PROTECTION (*continued*)		£		
HOME						
Withernsea U.D.C. ...	John H. Haiste & Partners	Sea defences	G. Dew & Co.; others not yet let	520,000	1953	—
Folkestone sea defence works	Sir William Halcrow & Partners	New sea wall at Sandgate	Demolition & Constr. Co., Ltd.	198,000	Apr., 1952	Dec., 1953
Llanfairfechan U.D.C. ...	Sir Cyril Kirkpatrick & Partners	Construction of concrete sea wall and groynes ...	A. E. Farr, Ltd.	67,000	Aug., 1952	Dec., 1953
Colwyn Bay	Ditto	Construction of sea walls and groynes	Ditto	50,000	Oct., 1953	—
Hunstanton U.D.C. ...	Ditto	Construction of sea walls and groynes	Not yet let	90,000	—	—
Selsey sea defence scheme	Lewis & Duvivier	Stabilisation of Selsey Bill and east and west beach frontages	R. Robinson & Co. (Contrs.), Ltd.	300,000	June, 1953	—
St. Margaret's Bay sea defences, Dover	Ditto	New sea wall ; encasement in r.c. of existing sea walls ; steel piled and r.c. aprons ; groynes ...	Ditto	50,000	Mar., 1951	Jan., 1953
Cromer sea defences ...	Ditto	Underpinning and encasement of sea walls ; new groynes and reconstruction of existing groynes. Repair of storm damage	W. G. C. Hammond, Ltd.; May, Gurney & Co., Ltd.; H. Bullen & Son, Ltd.	54,000	Nov., 1949	Nov., 1953
Seaham sea defences, Durham	Ditto	Sea walls ; cliff stabilisation ; encasement of cliff face ; groynes	R. Robinson & Co. (Contrs.), Ltd.	185,000	May, 1952	Dec., 1954
Havant and Waterloo U.D.C.	Ditto	Breastworks, sea walls and groynes	Ditto	220,000	Apr., 1946	Apr., 1954
Whitstable U.D.C. ...	Ditto	Sea wall, groynes and storm damage repairs ...	Ditto	68,500	Nov., 1951	Mar., 1954
Aberystwyth B.C.	Ditto	Extension of concrete apron, encasements and groyning	Ditto	105,000	Aug., 1946	Dec., 1953
Freshwater Bay, Isle of Wight	Ditto	Steel sheet piled and concrete sea walls, and groyning	Wall Bros., Ltd.	23,000	Nov., 1951	Dec., 1953
Isle of Sheppey sea defences : Leysdown-Shellness	Ditto	Strengthening and heightening existing sea banks. Steel sheet-piled face work and concrete seaward slopes	Hilton Sarsfield, Ltd.	54,000	Sept., 1953	Apr., 1954
Herne Bay sea defences	Ditto	Sea wall, groynes and cliff stabilisation	Direct labour ; J. W. Ellingham, Ltd.	60,000	Nov., 1948	Oct., 1953
Southwold sea defences	Ditto	Sea wall, groynes and strengthening of harbour pier	R. Robinson & Co. (Contrs.), Ltd. ; others not yet let	105,000	Nov., 1948	—
Sea Wall, Tynemouth ...	M. Nachshen	Reconstruction of sea wall ; reshaping and draining cliffs	Not yet let	80,000	1953	1955
		DISTRICT HEATING				
HOME						
Westminster C.C.	Kennedy & Donkin ; Scott & Wilson	District heating for (1) Churchill Gardens Estate, (2) Abbots Manor Estate	Sulzer Bros. (London), Ltd.; G. N. Haden & Sons ; Ellis (Kensington), Ltd.	300,000	1953	(1) 1960 (2) 1955
		DRAINAGE AND SEWAGE WORKS				
HOME						
Alloa T.C.	Babtie, Shaw & Morton ...	Sewers, 51in to 57in, and ancillary works	J. Miller & Prtnrs., Ltd.	56,000	Sept., 1952	1953
		Tunnel sewer, 51in to 60in, and ancillary work ...	Crowley, Russell & Co., Ltd. ...	65,000	Nov., 1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Ayr C.C.: Netherthird and Cumnock drainage	Babtie, Shaw & Morton ...	Outfall sewer and purification works	F. J. C. Lilley ; Brydon Constr. Co.	175,000	May, 1952	1954
Drongan drainage		Outfall sewer and purification works	Wilson, Kinmond & Marr, Ltd., and others	90,000	Nov., 1952	1955
Grangemouth T.C.: Beancross area drainage	Ditto	Sewers, 18in to 54in dia.; pumping station and ancillary works	Whatlings, Ltd.; Drysdale & Co., Ltd., and others	265,000	1952	Nov., 1953
Bingley U.D.C.	D. Balfour & Sons	Sewerage and sewage disposal	Delahope, Ltd.	228,000	Sept., 1950	Oct., 1953
Doncaster R.D.C.... ...	Ditto	Norton sewerage and sewage disposal...	A. Eastwood & Sons, Ltd.	83,000	June, 1953	—
Eastry R.D.C.	Ditto	Wingham sewerage and sewage disposal	Not yet let	70,000	1954	—
Hatfield R.D.C.	Ditto	Hatfield New Town : sewerage	Ruddock & Meighan, Ltd. ...	108,000	Aug., 1953	—
		Sewerage and surface water drainage, southern area	Not yet let	100,000	1954	—
Maryport U.D.C.	Ditto	Sewerage	P. A. Baines, Ltd....	150,000	Aug., 1951	—
Filey U.D.C.	Ditto	Main sewerage...	Not yet let	200,000	1954	—
St. Albans R.D.C.... ...	Ditto	Sewerage	P. P. Taylor (Doncaster), Ltd. ...	195,000	Dec., 1950	Sept., 1953
Stevenage Development Corpn.	D. Balfour & Sons ; J. D. & D. M. Watson	Middle Lee regional scheme : north-western outfall sewer	Paterson & Dickinson, Ltd. ...	100,000	Jan., 1951	Dec., 1952
			Tersons, Ltd.	250,000	July, 1951	Oct., 1953
			Tersons, Ltd.	180,000	Jan., 1952	Dec., 1953
			W. & C. French, Ltd.	900,000	Jan., 1952	Nov., 1953
Peterlee Development ...	D. Balfour & Sons	Storage tank and sea outfall...	Not yet let	100,000	1954	—
Boldon U.D.C.	Ditto	Main sewerage and drainage...	G. Bailey, Ltd.	143,000	Oct., 1951	—
Winslow R.D.C.	Ditto	Sewerage and sewage disposal	A. Eastwood & Sons, Ltd.... ...	105,000	July, 1949	Mar., 1953
Wycombe R.D.C.... ...	Ditto	Wooburn Valley sewerage and sewage disposal...	Not yet let	150,000	1954	—
Minworth Works	Birmingham Tame and Rea District Drainage Board ; *F. C. Vokes*	Reconstruction of 9 acres of bacteria beds ; construction of four 80ft dia. humus tanks and other works	Direct labour	356,400	July, 1948	—
Langley Mill Works Extensions	Ditto	Sedimentation tanks, percolating filters and humus tanks, with primary and secondary sludge digestion tanks and drying area	Ditto	98,100	June, 1953	—
Boston R.D.C.: Fishtoft and Wyberton	Binnie, Deacon & Gourley...	Sewers, pumping mains, pumping station and treatment works	Stimpson & Rollston, Ltd.... ...	128,000	1952	—
Northallerton R.D.C. ...	Arnold Brooksbank	Sewers, pumping station and disposal works, Brompton	A. Robinson (Cont.), Ltd.; Pulsometer Eng. Co., Ltd.	60,000	1951	1953
Burgh of Largs	Carter & Wilson...	Screening and pumping station ; 30in outfall ...	Whatlings, Ltd.	60,000	Feb., 1954	Dec., 1954
Royal Burgh of Dumfries	Ditto	Sewage purification works and pumping station...	Edinburgh Bldg. Contrs., Ltd. ...	180,000	Oct., 1952	1956
Barrow - upon - Soar R.D.C.	A. P. I. Cotterell & Son ...	Outfall sewer, pumping station and rising main ; additions to disposal works, Birstall	Gee, Walker & Slater, Ltd.... ...	115,000	Nov., 1953	Feb., 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Burry Port U.D.C. ...	A. P. I. Cotterell & Son ...	3½ miles sewers, treatment works and sea outfall	I. Jones (Llanelly), Ltd.	88,000	Aug., 1951	Dec., 1953
Depwade R.D.C.	Ditto	Sewerage and disposal works for various parishes	H. Pointer (Norwich), Ltd.; A. J. Holloway, Ltd.	77,000	Feb., 1951	June, 1954
Dursley R.D.C.	Ditto	Sewers and disposal works	Not yet let	129,000	—	—
Borough of Glastonbury	Ditto	Sewage and trade effluent disposal works	Ditto	105,000	Apr., 1954	—
Harpenden U.D.C. ...	Ditto	Additions to disposal works	E. C. & F. H. Jarvis, Ltd.	67,000	June, 1951	Dec., 1953
Borough of Kidwelly ...	Ditto	6¾ miles sewers, treatment works and sea outfall	G. Davies, Ltd.	93,000	Dec., 1951	Dec., 1953
Lothingland R.D.C. ...	Ditto	Sewerage and disposal works for various parishes	A. J. Holloway, Ltd.	184,000	Mar., 1951	—
Marlow U.D.C.	Ditto	Improvements to disposal works and ejector station	Not yet let	55,000	June, 1954	—
Walsingham R.D.C. ...	Ditto	Sewerage and disposal works for various parishes	F. W. Shanks, Ltd.	112,000	Jan., 1952	—
Wayland and Swaffham R.D.C.s	Ditto	Sewerage and disposal works	H. Pointer (Norwich), Ltd. ...	87,000	Mar., 1951	—
Kirriemuir T.C.	Crouch & Hogg	New sewage purification works	A. Adamson	39,800	Oct., 1952	1954
Dunfermline T.C.	Ditto	Storm relief sewers, 36in to 72in dia.	J. Drysdale & Co., Ltd.; J. Young (Contrs.) Ltd.	242,000	1951	1954
Carnoustie T.C.	Ditto	Storm relief sewers and pumping plant	W. Briggs & Sons, Ltd.; J. Drysdale & Co., Ltd.	50,000	1952	1954
Stirling T.C.	Ditto	Sewer and tanks	Not yet let	100,000	Jan., 1954	—
Holderness R.D.C. ...	John Dossor...	Sewerage	Ditto	56,000	1953	—
Driffield U.D.C.	Ditto	Sewerage and sewage disposal	Ditto	158,000	1953	—
Shardlow R.D.C.	Elliott & Brown	Sandiacre regional sewerage and sewage disposal	F. Earnshaw, Ltd.	170,000	Jan., 1951	1954
		Various schemes of sewerage and sewage disposal	Not yet let	220,000	—	—
Hawarden R.D.C.... ...	Ditto	Queensferry and Sealand sewerage and sewage disposal works	Whitley Bros.	170,000	July, 1953	1954
Kiveton Park R.D.C. ...	Ditto	North Anston sewage disposal	Not yet let	50,000	July, 1954	—
West Kesteven R.D.C....	Ditto	Sewerage and sewage disposal schemes at Skillington, Gt. Gonerby, Colsterworth, &c.	C. S. Tomlinson (Skillington); E. Somerfield & Sons, Ltd.; others not yet let	76,000	1953	1954
Lexden and Winstree R.D.C.	Ditto	Tiptree sewerage and sewage disposal...	F. R. Hipperson & Son, Ltd. ...	75,000	1951	1954
		West Bergholt sewerage and sewage disposal ...	Not yet let	65,000	—	—
Long Eaton U.D.C. ...	Ditto	Sewage disposal works extensions	Ditto	235,000	1954	—
Stafford R.D.C.	Ditto	Gt. Haywood, Ilford, Brocton and Walton sewerage	Ditto	100,000	—	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
HOME		**DRAINAGE AND SEWAGE WORKS** (*continued*)		£		
Forehoe and Henstead R.D.C.	Elliott & Brown	Poringland and Hethersett sewerage and sewage disposal	Not yet let	130,000	1954	—
		Hingham sewerage and sewage disposal	H. Pointer (Norwich), Ltd. ...	72,500	1951	1953
Newark R.D.C.	Ditto	Balderton sewage disposal	Not yet let	50,000	1954	—
		Farndon sewerage and sewage disposal	Ditto	50,000	1954	—
Wing R.D.C.	Ditto	Regional sewerage scheme	G. Dawson & Son (Contrs.), Ltd.; H. C. Janes, Ltd.; Vibrated Concrete Constr. Co., Ltd.	72,600	1952	1953
Beeston and Stapleford U.D.C.	Ditto	Storm relief scheme	H. Sewell, Ltd.	72,666	1951	1953
		Sewage disposal works extension	Not yet let	175,000	1954	—
Eastwood U.D.C. and Basford R.D.C.	Ditto	Newthorpe sewage works extensions	Martin Cowley, Ltd.	51,500	June, 1951	1953
Borough of Thetford ...	Ditto	Sewerage and sewage disposal	A. Eastwood & Sons, Ltd. ...	176,000	July, 1949	1953
Colne Valley Sewerage Board	Sandford Fawcett & Partners	Sludge treatment building, wharf and coal-handling plant	W. & C. French, Ltd.	216,000	Jan., 1949	1953
		Sludge drying and handling equipment...	Dorr Oliver Co., Ltd....	390,000	Oct., 1948	1954
		Administration and maintenance buildings ...	W. & C. French, Ltd.	140,000	Nov., 1949	1953
		Extensions to sedimentation, aeration and final tanks	Not yet let	220,000	1954	1956
		Sewers : 2980 yards 66in by 55in ovoid, 3180 yards 42in by 39in	A. Waddington & Son, Ltd. ...	596,320	May, 1950	1953
		Sewers : 3680 yards 66in by 55in ovoid and 42in dia. with branch sewers	Ditto	441,300	Dec., 1952	1955
		Sewers : 6070 yards 39in, 33in and 30in dia., 310 yards 15in dia.	Howard Farrow, Ltd....	337,025	Sept., 1950	1953
		Sewers : 4270 yards 39in, 36in and 21in dia. ...	Ditto	316,000	Mar., 1953	1954
		Sewers : 1020 yards 39in to 27in, 70 yards 18in...	Ditto	67,000	Sept., 1951	1954
		Sewers : 880 yards 55in by 66in (tunnel sewer), 2750 yards 40in, 920 yards 12in and 9in	A. Waddington & Son, Ltd. ...	441,790	Nov., 1952	1954
		Sewers : 3720 yards 39in and 36in, 550 yards 21in, 180 yards 12in and 9in	Howard Farrow, Ltd....	316,001	Nov., 1952	1954
Birkenhead Corporation	Ditto	Sewers : 1020 yards 72in by 69in culvert, 190 yards 54in to 39in dia.	Norwest Construction Co., Ltd.	70,160	Oct., 1950	Mar., 1953
		Storm tanks and pumping station	Not yet let	110,000	Jan., 1954	1956
St. Helens B.C.	Ditto	Reconstruction of Parr sewage works...	Sir A. McAlpine & Son, Ltd. ...	92,800	Dec., 1952	1953
			Simon Carves, Ltd.	600,000	Sept., 1953	1955
B.E.A.: St. Helens ...	Ditto	Effluent pumping mains to Bold power station ...	Sir A. McAlpine & Son, Ltd. ...	75,700	Nov., 1952	1953
Metford R.D.C.	Ditto	Nayland sewerage and sewage disposal works ...	W. B. Kingsbury & Son, Ltd. ...	53,000	Sept., 1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Borough of Cleethorpes	John H. Haiste & Partners...	Storm water sewers, sea outfall sewer and pumping station	Winton Constr. Co., Ltd.; Sulzer Bros. (London), Ltd.; H. Farrow, Ltd.; Stanton Ironworks Co., Ltd.; H. Boot & Sons, Ltd.	160,000	1951	1954
Horsforth U.D.C.... ...	Ditto	Reconstruction of sewage disposal works	A. Waterman, Ltd.; Ames Crosta Mills & Co., Ltd.; Dorr-Oliver & Co., Ltd.	103,000	1951	1954
Borough of Fleetwood...	Ditto	Storm water pumping stations and sea outfalls...	Harbour & General Works, Ltd.; Stanton Ironworks Co., Ltd.; Sulzer Bros. (London), Ltd.; Staveley Iron & Chem. Co., Ltd.; Foraky Boring & Shaft Sinking Co., Ltd.	192,000	1954	1955
Clowne R.D.C.	Ditto	Sewers and sewage disposal works, Cresswell ...	J. F. Finnegan & Co.; Adams Hydraulics, Ltd.	131,000	1954	1955
Cheltenham R.D.C. ...	Ditto	Sewerage and sewage disposal works, Bishop's Cleeve	Farrer, Costelloe & Kemple ...	80,000	1953	—
Tewkesbury Borough ...	Ditto	Sewerage and sewage disposal works	Wallwin, Ltd.; others not yet let	110,000	Mar., 1953	—
Borough of Bridlington...	Ditto	Sewerage and sewage disposal works	Not yet let	150,000	1954	1956
Glanford Brigg R.D.C.: Borough of Scunthorpe	Ditto	Sewerage and sewage disposal works, Bottesford and Scunthorpe	P. P. Taylor (Donc.), Ltd.; Holmpress Piles, Ltd.; Adams Hydraulics, Ltd.	100,000	1953	1954
Morton : Gainsborough R.D.C.	Ditto	Sewerage and sewage disposal works	H. Boot & Sons, Ltd.; Holmpress Piles, Ltd.; Adams Hydraulics, Ltd.; Wallwins	51,000	1952	1954
Stoke-on-Trent : Newstead Farm Housing Estate	Sir Herbert Humphries & McDonald	Preliminary street works, eight sewers, and water mains	P. Prendergast, Ltd.	115,000	1951	1953
Machynlleth U.D.C. ...	Ditto	Complete reconstruction of town sewers and disposal works	Tarmac, Ltd.	50,000	1952	1953
Merthyr Tydfil Corpn. ...	Ditto	Extensions to main drainage scheme : pipes up to 30in dia., 300 yards under heading	C. V. Buchan & Co., Ltd.	55,000	1953	1954
Chigwell U.D.C.	Howard Humphreys & Sons	Extensions to sewage disposal works	W. & C. French Ltd.	80,000	1950	Feb., 1954
Chichester R.D.C.... ...	Ditto	Main drainage of East and West Wittering ...	Bridgwater Bros.	220,000	1951	May, 1954
Wokingham R.D.C. ...	Ditto	Main drainage of Woodley area	W. & C. French, Ltd.	130,000	1953	1955
		Marsh Farm sewage works	W. Young	70,000	1953	1954
Abingdon R.D.C. ...	Ditto	Main drainage of Wootton Road area	Ruddock & Meighan, Ltd. ...	90,000	1953	1954
Borough of Newbury ...	Ditto	Extensions to sewage disposal works	A. E. Farr, Ltd.	54,000	1950	1953
Letchworth and Baldock U.D.C.	Ditto	Extensions to sewage disposal works	Howard Farrow, Ltd.	300,000	1951	1954
		Power-house and administration building	J. Willmott & Sons, Ltd.	53,000	1951	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
U.D.C. of Havant and Waterloo	Howard Humphreys & Sons	Trunk sewers	A. Streeter & Co., Ltd.	536,000	1950	1953
		Sewage disposal works	Campbell & McGill, Ltd.			
		Power-house and administration building	Trollope & Colls, Ltd.			
Richmond Main Sewerage Board	Ditto	Reconstruction of sewage works	Balfour, Beatty & Co., Ltd.; Harland & Wolff Ltd.; Hathorn Davey & Co., Ltd.; Activated Sludge, Ltd.; Hartleys (Stoke-on-Trent), Ltd.; G. Waller & Co., Ltd.; Duncan Watson; and others	891,000	Jan., 1948	1954
Brackley R.D.C.	Ditto	Main drainage	Kottler & Heron, Ltd.	83,000	Mar., 1951	June, 1953
Whiston R.D.C.	Husband & Co.	Main drainage of Rainhill	Norwest Constr. Co., Ltd... ...	230,000	1950	July, 1953
Chapel - en - le - Frith R.D.C.	Ditto	Main drainage at Edale	Z. & W. Wade (Whaley Bridge), Ltd.	50,000	1953	1954
Wortley R.D.C.	Ditto	Extensions to sewerage system	J. F. Finnegan & Co. (Sheffield), Ltd.	60,000	1950	1954
Ferodo, Ltd.	Ditto	Factory effluent treatment works...	Z. & W. Wade (Whaley Bridge), Ltd.	50,000	1951	1953
Banstead U.D.C.	G. B. Kershaw & Kaufman	5¾ miles of sewers, 7in to 12in, and house connections	A. Hardy & Co., Ltd.	59,000	May, 1951	Oct., 1953
Bebington Corpn.	Ditto	8ft dia. sewer; storage tanks; 8ft dia. outfall to H.W.M.; and 48in outfall to L.W.M.	C. V. Buchan & Sons, Ltd. ...	320,000	Sept., 1950	April, 1954
		Dibbin Valley trunk sewer	Not yet let	250,000	1954	—
Denton U.D.C.	Ditto	2½ miles sewers, 7in to 36in, and extensions to treatment works	J. McGeoch & Sons, Ltd. ...	190,000	Dec., 1947	Mar., 1953
Hazel Grove and Bramhall U.D.C.	Ditto	Extensions to treatment works	Not yet let	173,000	1954	—
Hale U.D.C.	Ditto	5¾ miles sewers, 9in to 45in, pumping station and rising main	Yarwood's (Altrincham), Ltd. ...	170,000	Dec., 1947	Mar., 1953
Marple U.D.C.	Ditto	Trunk Valley sewer...	Not yet let	68,000	1954	—
Norman Cross R.D.C. ...	Ditto	11½ miles sewers, 7in to 18in, five pumping stations and rising mains	Hadsphaltic Constr. Co., Ltd. ...	114,000	Oct., 1950	Apr., 1954
Old Fletton U.D.C. ...	Ditto	Extensions to treatment works	Bosworth & Wakeford, Ltd. ...	50,000	May, 1953	Nov., 1954
South Kesteven R.D.C.	Ditto	3¼ miles sewers, 7in and 9in; three pumping stations; extensions to treatment works	Hadsphaltic Constr. Co., Ltd. ...	80,000	Apr., 1951	Mar., 1954
		1½ miles sewers, 7in and 9in; pumping station and new treatment works	W. G. Birch (Harrogate), Ltd. ...	53,000	Sept., 1952	Mar., 1954
		8¾ miles sewers, 7in to 15in; six pumping stations and new treatment works	Not yet let	300,000	1954	—
Swinton and Pendlebury Corpn.	Ditto	2½ miles sewers, 9in to 27in, and new treatment works	Neodox, Ltd.	200,000	Mar., 1947	Mar., 1953
		2¼ miles sewers, 9in to 36in	J. Gerrard & Sons, Ltd.	141,000	Dec., 1951	Mar., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Sale Corpn.	G. B. Kershaw & Kaufman	Dredging Brooks' drain ; construction of trunk sewers, up to 6ft 6in dia.; extensions to treatment works	G. Dew & Co., Ltd.; others not yet let	760,000	1953	—
Whittlesey U.D.C. ...	Ditto	5½ miles sewers, 9in and 12in dia, and two pumping stations	Marriott & Walker, Ltd.; Winton Hayes, Ltd.	68,000	Apr., 1951	Dec., 1954
Wilmslow U.D.C. ...	Ditto	1½ miles steel sewers, 9in to 30in dia.	Yarwood's (Altrincham), Ltd. ...	107,000	June, 1952	Mar., 1954
Castle Ward R.D.C. ...	Eric G. Lediard	Roads, sewers, surface water drains, street lighting, &c.	C. S. Bunch & Sons, Ltd.	80,000	Jan., 1951	Apr., 1954
Billingham U.D.C. ...	Ditto	Roads, sewers, surface water drains, street lighting, &c.	Middleton & Co. (Blackpool), Ltd.	107,000	Dec., 1951	Sept., 1954
Castle Ward R.D.C. ...	Ditto	Sewerage and sewage disposal works, Heddon-on-the-Wall	G. Bailey & Co., Ltd.	71,000	Mar., 1952	Feb., 1954
		Sewerage and sewage disposal works, Stamfordham	Not yet let	45,000	Jan., 1954	Mar., 1955
Billingham U.D.C. ...	Ditto	Three-span, dual carriageway r.c. bridge over railway	Harbour & General Works, Ltd.	87,000	Apr., 1953	Sept., 1954
Forestry Commission : Kielder Village	Ditto	Water supply and sewage disposal works	W. Arnott McLeod & Co., Ltd....	28,000	Apr., 1950	Mar., 1954
South Cambridgeshire R.D.C.	Lemon & Blizard	Sewers, 9in to 7in, pumping stations and disposal works, Linton and Sawston	McLaughlin & Harvey, Ltd.; Adams Hydraulics, Ltd.	55,000	May, 1951	1953
Windsor R.D.C.	Ditto	Sewers, 15in to 7in, pumping stations and pumping mains	A. Jackaman & Sons, Ltd.; Adams Hydraulics, Ltd.	176,000	Aug., 1951	1954
Bridgwater R.D.C. ...	Ditto	Sewers, 9in and 6in, pumping mains, 4 pumping stations and 3 ejector stations	S. W. Foster, Ltd.; Hughes & Lancaster, Ltd.; others not yet let	108,000	June, 1952	—
Barnstaple R.D.C.... ...	Ditto	Croyde sewerage : sewers, 9in to 6in, pumping station, rising main, sea outfall	J. Dennis & Son, Ltd.	52,000	Oct., 1951	1954
Amesbury R.D.C.... ...	Ditto	Sewers, 7in to 15in, pumping station, Bulford and Durrington	J. Crockrell, Ltd....	97,000	May, 1951	1953
Warminster U.D.C. ...	Ditto	Sewers, 7in to 18in, pumping mains, two pumping stations	A. E. Farr, Ltd.	59,000	Dec., 1952	1954
Kingsclere and Whitchurch	Ditto	12in, 15in and 18in dia. sewer, pumping station and disposal works	Collier & Cotley, Ltd.	79,400	May, 1953	Feb., 1954
Berwick C.C.	J. & A. Leslie & Reid ...	Sewage disposal works	R. Baillie & Sons ; A. M. Bain ; R. E. Clark ; W. Bell & Sons, and others	100,000	1951	—
Elgin T.C.	Ditto	Sewage disposal works	Thatcher, Lucas & Co.; W. J. Anderson, Ltd.	65,000	1952	1954
Bathgate T.C.	Ditto	New outfall sewers	Not yet let	85,000	1954	1956
Chorley R.D.C.	Charles J. Lomax & Son ...	Various sewerage schemes	J. McGeoch & Sons, Ltd.; R. Fielding & Son	372,000	Aug., 1950	Dec., 1954
		Two sewage disposal works	P. Fairclough ; R. Fielding & Son	88,000	Aug., 1950	Aug., 1954
Belper U.D.C.	Ditto	Extension of disposal works and renewal of plant at pumping stations	Not yet let	50,000	Mar., 1954	—
Walton-le-Dale U.D.C.	Ditto	Sewers, 9in to 30in dia., and pumping station ...	Ditto	125,000	1954	—
Northern Outfall Works, Beckton, E.6	London County Council ; *J. Rawlinson*	Four detritus pits and other works	Crowley, Russell & Co., Ltd. ...	358,000	1950	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Northern Outfall Works, Beckton, E.6	London County Council; *J. Rawlinson*	Sixteen sedimentation tanks, screen and pump-houses, &c.	E. Nuttall, Sons & Co. (London), Ltd.	1,580,000	1950	1954
		By-pass culverts to main effluent channel and emergency outlet	Ditto	217,000	1953	1954
		Diffused air plant : six sets of aeration channels, fifteen final settling tanks, air mains, sludge mains, pumping station, control house, &c.	R. Costain, Ltd.	3,250,000	1954	1957
		Sludge digestion plant : 16 digestion tanks, 4 dewatering tanks, pumping stations, and power-house	Not yet let	2,225,000	1954	1957
Southern Outfall Works, Crossness, E.2	Ditto	Replacement of steam pumping plant by electric pumps and other works	Crowley, Russell & Co., Ltd. ...	142,855	1951	1954
		Reconstruction of sedimentation channels and new supply channels to diffused air plant	Not yet let	236,000	1954	1956
Blaby R.D.C....	Pick, Everard, Keay and Gimson	Sewers, pumping stations and sewage works, Stoney Stanton, Sapcote and Sharnford	Butterley Co., Ltd.	80,500	July, 1951	Dec., 1953
Market Harborough R.D.C.	Ditto	Sewers and sewage works, Kibworth, Smeeton Westerby and The Langtons	C. Williamson & Co., Ltd. ...	56,000	Nov., 1950	1954
Huntingdon R.D.C. ...	Ditto	Sewers and sewage works at Brampton	W. G. Birch, Ltd.	60,000	Dec., 1951	1954
Brixworth R.D.C.	Ditto	Sewers and sewage works, Hannington, Holcot, Old and Scaldwell	Tandy & Richmond	70,000	June, 1952	1954
Towcester R.D.C.	Ditto	Sewers and pumping stations for regional drainage of several parishes	Bosworth & Wakeford, Ltd. ...	85,000	Aug., 1951	1954
Market Bosworth R.D.C.	Ditto	Sewers, pumping stations and sewage works, Thornton and Bagworth	A. F. Carr & Co., Ltd.	80,000	June, 1951	1954
Barking Corpn.	W. H. Radford & Son ...	Thames Road housing sewerage and pumping station	Fitzpatrick & Son (Contrs.), Ltd.	125,000	July, 1953	—
Felling U.D.C.	Ditto	6 miles sewers up to 36in dia.; sewage disposal works	D. & J. Crombie & Co.; Myton, Ltd.	191,000	Dec., 1952	—
Howden U.D.C.	Ditto	Sewage disposal works, pumping station, two ejector stations, rising mains, 4¼ miles 7in and 9in dia. sewers	Pridmore & Broadhead, Ltd.; Adams Hydraulics, Ltd.; Tuke & Bell, Ltd.	80,000	Dec., 1953	—
March U.D.C.	Ditto	13 miles 9in to 30in dia. sewers ; 12in dia. pumping main	Yorkshire Builders, Ltd.	180,000	Sept., 1951	—
		Pumping station and disposal works	Yorkshire Builders, Ltd.; Wallwin Pumps, Ltd.	84,000	Dec., 1951	—
Rochester, Chatham and Gillingham Joint Sewerage Board	Ditto	Extensions and alterations to Motney Hill sewage disposal works at Rainham, Kent	J. L. Eve Constr. Co., Ltd.; Ames Crosta Mills & Co., Ltd.	105,000	Aug., 1951	—
Thorne R.D.C.	Ditto	Pumping stations, rising mains, 3 miles sewers, 12in to 21in dia.	P. P. Taylor (Donc.), Ltd.; Pridmore & Broadhead, Ltd.	90,000	Nov., 1951	June, 1953
		Surface water pumping station, rising main and drainage ; 5 miles pipes, 12in to 48in dia.	P. P. Taylor (Donc.), Ltd.; Pulsometer Eng. Co., Ltd.	112,000	Oct., 1953	—
Thurrock U.D.C.	Ditto	Pumping station and machinery, Dock Road ...	Howard Farrow, Ltd.; Wallwin (Pumps), Ltd.	18,000	June, 1952	Oct., 1953
		17,000ft of precast piles ; sedimentation tanks and ancillary works	W. & C. French, Ltd.	180,000	June, 1952	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Wolverton U.D.C. ...	W. H. Radford & Son ...	6½ miles sewers and pumping mains, 8in to 36in dia.; disposal works, pumping stations and machinery	S. S. Stott, Ltd.; Pulsometer Eng. Co., Ltd.; Stanton Ironworks Co., Ltd.; Betts & Faulkner, Ltd.; Attenborough R.C. Constr. Co., Ltd.; Howard Farrow, Ltd.	220,000	Dec., 1949	—
Lurgan B.C.	Ernest Reid	Sewage disposal works	Sir L. Parkinson & Co. Ltd. ...	500,000	May, 1950	Mar., 1953
East Kesteven R.D.C. ...	Silcock & Simpson	Sewers, pumping stations and disposal works, Ruskington	Not yet let	67,000	1954	1955
		Sewers, pumping station and disposal works, Billinghay	Winton Constr. Co.	50,000	1954	1955
North Kesteven R.D.C.	Ditto	Sewers, pumping station and disposal works ...	Gleeson, Ltd.; Adams Hydraulics	143,000	1950	1954
Stroud and District Sewerage Joint Committee	Ditto	Sewers	Hayes & Sons, Ltd.	60,000	1952	1954
Bideford Corporation ...	F. W. S. Stanton...	1½ miles sewers, 9in to 39in, and outfall	R. Costain, Ltd.	47,000	May, 1948	1954
Strood R.D.C.	Ditto	7 miles sewers, 6in to 15in, pumping stations, treatment works and outfall	W. Smith (Public Works), Ltd....	66,000	June, 1948	1954
Peterborough R.D.C. ...	Stirling, Lambert & Partners	Sewerage scheme	Stamford Constr. Co., Ltd.; others not yet let	114,722	1953	—
Barnack R.D.C.	Ditto	Sewerage scheme	Not yet let	87,950	1954	—
Rimrose Brook Joint Sewerage Board	John Taylor & Sons	Sewers and pumping station	Norwest Constr. Co., Ltd.... ...	472,000	Oct., 1950	—
Gloucester Corpn.... ...	Ditto	Main sewers, pumping station and machinery ...	Marples-Ridgway & Partners, Ltd.; J. Miller & Partners, Ltd.; English Electric Co., Ltd.	638,000	Feb., 1951	—
Eastern Valleys (Mon) Joint Sewerage Board, and others	Ditto	Treatment works and subsidiary sewers	Sir R. McAlpine & Sons, Ltd.; W. T. Nicholls, Ltd.; Gwynnes Pumps, Ltd.	330,000	Dec., 1950	—
Pontypool U.D.C.... ...	Ditto	Subsidiary sewers	Not yet let	120,000	—	—
Warrington Corpn. ...	Ditto	Pumping station, rising main sewers and treatment works	Norwest Constr. Co., Ltd.; Hodgson Bros.	361,000	Apr., 1949	—
Crawley Development Corpn.	Ditto	Sewerage and sewage treatment works of new town	Lavender, McMillan, Ltd.; Mears Bros., Ltd.; Turriff Constr. Corpn., Ltd.	329,000	Apr., 1949	—
Haverfordwest R.D.C. ...	Ditto	Various sewerage schemes	W. Bowers & Co. (Hereford), Ltd.; W. T. Nicholls, Ltd.	146,000	June, 1950	—
Alton R.D.C....	Ditto	Sewers and ejector station	Kirk & Kirk, Ltd.	75,000	Sept., 1949	—
Bradfield R.D.C.	Ditto	Various sewerage schemes	Collier & Catley, Ltd.; Tilbury Constr. Co., Ltd.	69,000	Jan., 1951	—
Woking U.D.C.	Ditto	Sewers, pumping station and rising main	Sir L. Parkinson & Co., Ltd. ...	62,000	Nov., 1951	—
Thornbury R.D.C. ...	Ditto	Various sewerage schemes	W. T. Nicholls, Ltd.	59,000	Feb., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Bletchley U.D.C.	John Taylor & Sons	Sewerage and sewage treatment works	Hadsphaltic Constr. Co., Ltd. ...	170,000	Oct., 1952	—
Eton R.D.C.	Ditto	Sewers, pumping station and rising main	J. L. Eve Constr. Co., Ltd. ...	169,000	July, 1952	—
Hogsmill Joint Sewerage Board	Ditto	Sewage treatment works	Mears Bros. (Contrs.), Ltd.; Dorr Oliver Co., Ltd.; Ames Crosta Mills, Ltd.; W. E. Farrer, Ltd.	624,000	Sept., 1953	—
St. Neots U.D.C.	Ditto	Sewage treatment works, sewers, pumping station and rising main	Howard Farrow, Ltd....	104,000	Dec., 1953	—
Rugby Corpn.	Ditto	Extensions and pumping station to sewage treatment works	Bosworth and Wakeford, Ltd. ...	86,000	Jan., 1954	—
Epsom and Ewell B.C. and Surbiton B.C.	Ditto	Sewers	Balfour, Beatty & Co., Ltd. ...	345,000	Jan., 1954	—
Whiston R.D.C.	Ward, Ashcroft & Parkman	9 miles of main sewers, 1¼ miles of concrete culvert	J. McGeoch & Sons	473,000	Feb., 1953	July, 1955
Garstang R.D.C.	Ditto	9 miles of sewers and disposal works	Adams Hydraulics, Ltd.; Clifton Constrs.	140,000	Oct., 1949	Jan., 1954
Aberystwyth R.D.C. ...	Ditto	Bow St. sewerage and sewage disposal works ...	W. & J. Glossop, Ltd....	35,000	July, 1953	July, 1954
Clitheroe Corpn.	Ditto	Henthorne sewers, &c.	Not yet let	50,000	—	—
Wrexham Corpn. ...	Ditto	Interim sewerage scheme ; extensions and reconstruction of disposal works	Ditto	225,000	—	—
Preston Corpn. and Preston and Fulwood D.C.s	Ditto	Joint sewerage scheme	Ditto	165,000	—	—
Skelmersdale U.D.C. ...	Ditto	Sewerage and sewage disposal works	Ditto	136,000	—	—
Amlwch U.D.C.	Ditto	Drains and sewers	Ditto	50,000	Dec., 1953	—
Wigton R.D.C.	Waterhouse & Rounthwaite	Trade waste disposal	P. A. Baines & Sons (Northern), Ltd.	108,600	Mar., 1949	1953
		Town sewerage and sewage disposal	Ditto	175,000	Jan., 1954	1955
Fareham U.D.C.	Ditto	Sewerage, Portchester	J. Croad, Ltd.; Pulsometer Eng. Co., Ltd.	71,700	Sept., 1949	1953
Bishop Auckland U.D.C.	Ditto	Sewerage, Coundon	Tarslag, Ltd.; Harland Eng. Co., Ltd.	55,000	Aug., 1951	1953
Newcastle, Co. Down, U.D.C.	Ditto	Sewerage	Farrans, Ltd.	69,000	May, 1952	1954
Carrickfergus B.C. ...	Ditto	Sewers and disposal works	Farrans, Ltd.; W. E. Farrer, Ltd.; Hartleys, Ltd.	230,000	Sept., 1949	1953
Wallsend Corpn.	Ditto	Sewerage	F. M. Willers & Co., Ltd.; Pulsometer Eng. Co., Ltd.	118,000	Aug., 1951	1954
Durham R.D.C.	Ditto	Sewers and disposal works, Sherburn	Not yet let	51,800	—	—
Gwyrfai R.D.C.	A. H. S. Waters	Llanrug, &c., sewerage and sewage disposal ...	Ditto	65,000	Mar., 1954	1956
Morecambe and Heysham B.C.	Ditto	Pumping machinery	W. H. Allen, Sons & Co., Ltd....	65,000	1950	Dec., 1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
Morecambe and Heysham B.C.	A. H. S. Waters	60in outfall sewer—seaward portion	Harbour & General Works, Ltd.	350,000	Nov., 1951	Dec., 1955
		60in outfall sewer—landward portion	Lane Bros. (Bldrs.), Ltd.	140,000	May, 1951	June, 1953
		Sewerage for Westgate area	Hussey, Egan & Pickmere, Ltd....	190,000	Oct., 1951	Mar., 1954
Mossley B.C.	Ditto	Sewage disposal	James Berry, Ltd.	103,000	Mar., 1954	Sept., 1955
Ogwen R.D.C.	Ditto	Tregarth sewerage and sewage disposal	Hussey, Egan & Pickmere, Ltd....	85,000	1951	Nov., 1953
Taunton B.C....	Ditto	Sewerage	Not yet let	250,000	Mar., 1954	Mar., 1957
		Sewage disposal	Hussey, Egan & Pickmere, Ltd....	430,000	Mar., 1954	Mar., 1957
Warwick B.C.	Ditto	Sewerage, pumping stations, storm water tanks...	Turriff Constr. Corpn., Ltd. ...	130,000	Apr., 1952	Apr., 1954
Wednesfield U.D.C. ...	Ditto	Sewerage and sewage disposal	M. A. Boswell (Contrs.), Ltd. ...	243,000	Jan., 1954	Dec., 1956
Anglo-Iranian Oil Co., Ltd.	J. D. & D. M. Watson ...	Kent Refinery sewerage and sewage disposal ...	Sir R. McAlpine & Sons, Ltd. ...	60,000	Nov., 1951	June, 1953
Chesterfield B.C.	Ditto	Sewerage	R. McGregor & Sons, Ltd.; others not yet let	61,000	Apr., 1951	1953
Derby B.C.	Ditto	Sewerage	Not yet let	99,000	—	—
		Sewage disposal	Glenfield & Kennedy, Ltd.; Hussey, Egan & Pickmere, Ltd.; others not yet let	250,000	Aug., 1953	—
Downham Market U.D.C.	Ditto	Sewage disposal	Not yet let	53,000	—	—
Dunmow R.D.C.	Ditto	Sewerage and sewage disposal	W. & C. French, Ltd.; A. D. Pierce, Ltd.; St. Mary's Contractors, Ltd.	149,000	Mar., 1951	—
Epping U.D.C.	Ditto	Sewage disposal works extensions	W. & C. French, Ltd.	41,000	Oct., 1949	May, 1953
Huntingdon B.C.	Ditto	Sewerage	Winton Hayes, Ltd.	71,000	July, 1950	—
Huntingdon and Godmanchester Joint Sewerage Committee	Ditto	Sewerage and sewage disposal	Not yet let	350,000	—	—
Harlow Development Corpn.	J. D. and D. M. Watson; D. Balfour & Sons	Middle Lee sewage disposal works	W. & C. French, Ltd.	2,000,000	Jan., 1951	—
Luton B.C.	J. D. & D. M. Watson ...	Sewage disposal works extensions	H. C. Janes, Ltd.; J. Mowlem & Co., Ltd.; Candy Filter Co., Ltd.; Activated Sludge, Ltd.; Glenfield & Kennedy, Ltd.	140,000	Jan., 1949	Jan., 1954
Middlesex C.C.	Ditto	East Middlesex main drainage	W. & C. French, Ltd.; W. Moss & Sons, Ltd.; Marples Ridgway & Prtnrs, Ltd.	1,219,000	Apr., 1948	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		DRAINAGE AND SEWAGE WORKS (*continued*)		£		
HOME						
City of Peterborough ...	J. D. & D. M. Watson ...	Sewerage and sewage disposal	Holland, Hannen and Cubitts, Ltd.; M. J. Gleeson (Contrs.), Ltd.; B. Stokeley; National Gas & Oil Engine Co., Ltd.; W. E. Farrer & Sons, Ltd.; Gwynnes Pumps, Ltd.; Ames Crosta Mills & Co., Ltd.	507,000	Dec., 1950	—
City of Plymouth	Ditto	Sewage disposal works extensions	Direct labour	120,000	Jan., 1950	—
Rugby R.D.C.	Ditto	Various sewerage schemes	A. Robinson, Ltd.; Roads and Sewers, Ltd.; others not yet let	120,000	July, 1950	—
Romford & Hornchurch Joint Sewerage Committee	Ditto	Sewage disposal works extensions	W. & C. French, Ltd.	82,000	Aug., 1950	Apr., 1953
Sodbury R.D.C.	Ditto	Sewerage and sewage disposal	W. A. Dawson, Ltd.; Turriff Constr. Corpn., Ltd.; C. A. Hayes & Sons, Ltd.	634,000	Jan., 1950	1954
Sutton - in - Ashfield U.D.C.	Ditto	Sewerage and sewage disposal	Lane Bros.	164,000	Sept., 1953	—
Tipton B.C.	Ditto	Sewerage and sewage disposal	K. E. Millard & Co., Ltd.; Leightons (Contrs.), Ltd.	274,000	June, 1953	—
Trowbridge U.D.C. ...	Ditto	Sewage disposal works extensions	Ernest Ireland (Contrs.), Ltd. ...	104,000	Nov., 1952	—
Warwick R.D.C.	Ditto	Sewerage and sewage disposal	Costelloe & Kemple, Ltd.; Butterley Co., Ltd.	162,000	June, 1950	—
Whitstable U.D.C. ...	Ditto	Storm water relief sewer	J. W. Ellingham, Ltd....	61,000	Oct., 1953	—
Yeovil B.C.	Ditto	Sewage disposal works	Hussey, Egan & Pickmere, Ltd....	307,000	Mar., 1954	—
ABROAD						
University College of the Gold Coast	D. Balfour & Sons	Sewerage, sewage disposal, surface water drainage, and water supply for university near Accra	G. Wimpey & Co., Ltd.; G. Watson & Co. (Accra), Ltd.	300,000	1951	—
Lusaka (Rhodesia) ...	Binnie, Deacon & Gourley...	Sewers, 6in to 18in; disposal works, pumping stations, &c.	J. Howard & Co. (Africa), Ltd....	243,000	1952	—
Govt. of Tanganyika ...	Howard Humphreys & Sons	Dar-es-Salaam main drainage	M. Gonella & Co., Ltd.	370,000	Dec., 1950	1954
Protectorate of Zanzibar	Ditto	Main drainage of Zanzibar town	Direct labour (part)	50,000	1952	1955
Muncipality of Khartoum	Ditto	Main drainage of Khartoum; main contract	Not yet let	—	—	—
		Materials, pipes	Industrial Specialty (Iron and Steel) Co., Ltd.; N. M. Metaxas & Co., Ltd.; Hartleys (Stoke-on-Trent), Ltd.; Sigmund Pumps, Ltd.	247,000	1953	1954
City of Tel Aviv-Jaffa ...	G. B. Kershaw & Kaufman	First section of 2m diameter trunk sewer	Not yet let	1,500,000	1954	—
Kuala Lumpur Municipality	J. D. & D. M. Watson... ...	Sewerage and sewage disposal	Ditto	2,000,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS		£		
HOME						
Entrance to Victoria Dock	Aberdeen Harbour Commissioners; *John Anderson*	Aluminium bascule bridge over entrance and removable bridge over lockway	Head, Wrightson & Co., Ltd. ...	110,000	Feb., 1950	Sept., 1953
Docking facilities	Ditto	Replacement of pontoon dock No. 1	J. Lewis & Sons, Ltd....	92,000	Apr., 1953	July, 1954
Abercorn Basin	Belfast Harbour Commissioners	Increasing depth of water; strengthening of south and east quays	Direct labour	57,500	May, 1951	Mar., 1954
Queen's Quay	Ditto	Repairs and reconstruction, new frontage at south end, increasing depth of water	Ditto	70,000	Feb., 1954	Dec., 1954
Herdman Channel... ...	Ditto	Coal wharf for new power station for Belfast Corpn., 253ft long, depth alongside 21ft 3in below chart datum	Concrete Piling, Ltd.	50,000	1953	Oct., 1954
Ross and Cromarty C.C.	Blyth & Blyth	New fishing pier at Kyle of Lochalsh	A. A. Stuart & Sons (Glasgow), Ltd.	50,000	1951	1953
Ayr Harbour	British Transport Commission, Docks and Inland Waterways	Replacement of two electric coaling cranes	Cowans, Sheldon & Co.,Ltd. ...	109,000	1953	1954
Southampton Docks ...	Ditto	Construction of new cargo passenger terminal, berth 102	—	900,000	Oct., 1952	1954
Fleetwood Docks	Ditto	Lowering of Wyre Dock sills and entrance lock floor	L. Fairclough, Ltd.	116,415	Mar., 1952	Apr., 1954
Fleetwood Harbour ...	Ditto	Provision of pitched slope and mooring jetties, berths Nos. 3, 4 and 5	Not yet let	120,000	—	—
Barrow, Devonshire Dock	Ditto	Partial reinstatement of warehouse and provision of machinery; false quay, sidings, &c.	E. Wood & Sons, Ltd.; Wellerman Bros., Ltd.; Pressure Piling Co.	75,000	Jan., 1954	May, 1955
Barry Docks	Ditto	Renewal of middle gates Lady Windsor Lock ...	Fairfield Shipbuilding & Eng. Co., Ltd.	65,767	June, 1953	—
Port Talbot Docks ...	Ditto	Further extension of Margam Wharf	Sir R. McAlpine & Sons (South Wales), Ltd.	177,643	Sept., 1953	—
Grangemouth Docks ...	Ditto	Three 10-ton electric grabbing cranes, East Quay, Grange Dock	Cowans, Sheldon & Co., Ltd. ...	83,516	1953	—
Hull Docks	Ditto	Reconstruction of No. 12 quay	Yorkshire Hennibique Co., Ltd.	210,000	Feb., 1951	Apr., 1954
Immingham Docks ...	Ditto	Provision of new quay cranes, track and paving...	Direct labour and contract ...	156,550	Aug., 1952	Dec., 1954
		Construction of new lock gates	Head, Wrightson & Co., Ltd. ...	80,000	June, 1953	—
Goole Docks	Ditto	Major overhaul of Ouse and Victoria Locks ...	Direct labour	80,000	Oct., 1952	—
Middlesbrough Docks ...	Ditto	Reconstruction of No. 10 quay	A. Monk & Co., Ltd.; Cowans, Sheldon & Co., Ltd.; Stothert & Pitt, Ltd.	470,000	Jan., 1954	Aug., 1954
Hartlepools Docks ...	Ditto	Construction of deep-water berth, &c.	J. Howard & Co., Ltd.; Cowans, Sheldon & Co., Ltd.; others not yet let	570,000	Oct., 1951	Mar., 1955
Smith's Dock Co., Ltd., North Shields	T. F. Burns & Partners ...	Dry dock, 709ft by 95ft by 26ft, and deep-water quay	Holloway Bros. (London), Ltd....	800,000	Dec., 1950	Apr., 1954
Smith's Dock Co., Ltd., Middlesbrough	Ditto	New prefabricating shed and overhead crane gantry	Dorman Long & Co., Ltd.; Tarslag, Ltd.	100,000	Aug., 1953	Apr., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Swan, Hunter & Wigham Richardson, Ltd., Wallsend-on-Tyne	T. F. Burns & Partners ...	Sheet piled retaining wall and prefabricating shed	Harbour & General Works, Ltd.	57,000	Apr., 1952	Feb., 1954
		New dry dock, 715ft by 105ft by 29ft...	Not yet let	—	—	—
Swan, Hunter & Wigham Richardson, Ltd., Walker-on-Tyne	Ditto	Neptune Yard : deep water jetty and launch dock	Demolition & Constr. Co., Ltd.	106,000	June, 1953	June, 1954
Shieldhall Riverside Quay Extension	Clyde Navigation Trust ...	900ft of deep-water quay wall ; timber and mineral discharge facilities ; 10 acres concrete paving	Direct labour ; Holland & Hannen and Cubitts (Scotland), Ltd.	890,000	Nov., 1952	1955/6
Meadowside and Merklands Quays	Ditto	Construction of 900ft of 100ft span goods sheds, road and rail facilities and concrete paving, 3 acres	Direct labour and contract; not yet let	310,000	Dec., 1953	1955/6
Queen's Dock, South and Stobcross Quays	Ditto	New crane tracks ; electrification of quays and re-roofing existing sheds	Ditto	367,000	Jan., 1954	1956/7
Rothesay Dock, South Quay	Ditto	Renewal of crane track and railway sidings... ...	Direct labour	200,000	Mar., 1953	1955
Scotts' Shipbuilding and Eng. Co., Ltd.	Crouch & Hogg	Reconstruction of quay at south end of fitting-out basin	West's Piling & Constr. Co., Ltd.	60,000	1951	1953
Lynmouth U.D.C. ...	C. H. Dobbie	Rebuilding Lynmouth Harbour after disaster ...	Blackford & Son (Calne), Ltd....	61,000	May, 1953	May, 1954
Car Ferry Terminal, Dover	Dover Harbour Board ...	Main marine and land works	Mears Bros. (Contrs.), Ltd. ...	217,000	Nov., 1951	1953
		Steelwork	Palmers Hebburn Co., Ltd. ...	92,250	Feb., 1951	1953
		Reception building and petrol station...	R. J. Barwick	81,000	Oct., 1951	1953
		Customs examination building	Rice & Son, Ltd.	35,000	Dec., 1951	1953
		Machinery	M. B. Wild & Co., Ltd.	46,000	Jan., 1952	1953
Dundee Harbour Trust...	Dundee Harbour Trust ; L. G. Mouchel & Partners, Ltd.	Reconstruction of Western Wharf, including demolishing of existing timber wharf	Yorkshire Hennebique Contr. Co., Ltd.	300,000	Nov., 1952	1955
The Bowater Paper Corpn., Ltd.	Sir Alexander Gibb & Partners	Demolition of existing wall and reconstruction of Ridham Dock	J. L. Kier & Co., Ltd.	426,000	Feb., 1953	—
Laporte Titanium, Ltd....	John H. Haiste & Partners...	Jetty in River Humber	A. Waterman, Ltd.	95,000	1951	1954
Boston Dock	Sir William Halcrow & Partners	Dock rehabilitation, new cranes, crane track and outer gates	W. & C. French, Ltd.; Cowans, Sheldon & Co., Ltd.; Head Wrightson & Co., Ltd.	100,000	May, 1953	1954
British Electricity Authority : Shoreham Harbour	Ditto	Reconstruction of harbour entrance and new lock	Not yet let	2,000,000	1954	1956
Lerwick Harbour Trust...	Arch. Henderson & Partners	Widening and extension of piers and quays and other works	—	300,000	1953	—
Stornoway Pier and Harbour Commission	Ditto	Harbour improvements and side-slipping installation	Christiani & Nielsen, Ltd.; W. Tawse, Ltd.; J. M. Henderson & Co., Ltd.	375,000	Mar., 1948	Mar., 1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
Taylor Bros. Wharfage Co., Ltd., Greenwich	Husband & Co.	Morden Wharf: construction of wharf and storage shed	W. F. Blay, Ltd.	140,000	1952	Jan., 1954
Carron and Continental Wharves, Ltd.	Ditto	Reconstruction of Carron Wharf, Tower Bridge...	J. Shelbourne & Co., Ltd.... ...	55,000	1950	1954
Mercantile Dry Dock Co., Ltd.	R. T. James and Partners ...	Restoration of quay front and provision of crane track	P. Lind & Co., Ltd.	140,000	Sept., 1953	1954
Eastham Oil Dock ...	Manchester Ship Canal Co.	Entrance lock and dock...	Sir Alfred McAlpine & Son, Ltd.	5,750,000	Oct., 1949	1954
		Sliding caissons	Vickers-Armstrongs, Ltd. ...			
Weaver Flood Sluices ...	Ditto	Renewal of sluice gates	Ransomes & Rapier, Ltd.; A. Monk & Co., Ltd.	180,000	Feb., 1951	1955
Dredging Deposit Ground, Walton	Ditto	Embankments and drainage works	L. Fairclough, Ltd.	52,000	June, 1951	1953
Dredging Deposit Ground, Frodsham	Ditto	New quay	C. Brand & Son, Ltd.; J. Morgan (Builders), Ltd.	97,000	Sept., 1951	1953
Irwell Park Wharf... ...	Ditto	Reconstruction of quay	L. Fairclough, Ltd.	77,000	Mar., 1952	1954
		Construction of lock gates	Vickers-Armstrongs, Ltd.	93,000	1953	1955
		Enlargement of Stanlow turning basin	Direct labour; A. Monk & Co., Ltd.	50,000	Nov., 1953	1954
Brigham & Cowan, Ltd.	Maunsell, Posford & Pavry	New dry dock at South Shields	Marples Ridgway & Prtnrs., Ltd.	600,000	1953	1955
Langton-Canada Docks Improvements	Mersey Docks and Harbour Board	First phase of major scheme for reconstruction of new river entrance lock, 825ft by 130ft, and subsidiary works	Direct labour	6,733,443	May, 1949	—
		Caissons for river entrance lock and Canada-Brocklebank Passage	Sir W. Arrol & Co., Ltd.	1,003,500	July, 1951	—
Training Banks	Ditto	Construction of training walls in sea channel approaches	Direct labour	3,275,651	July, 1923	—
Langton and Birkenhead Graving Docks	Ditto	Providing improved facilities: cranes, compressed air, salt water mains, &c.	Direct labour; Cowans, Sheldon & Co., Ltd.	456,325	Apr., 1953	—
North Side, Bidston Dock	Ditto	Strengthening and surfacing of quay; railway, sidings and connections	Direct labour	400,000	Apr., 1950	Dec., 1953
South Shed, Gladstone Branch Dock No. 2	Ditto	Reinstatement of ground and first floors, r.c. shed, replacement of electric roof cranes (fire damage)	P. Lind & Co., Ltd.; Stothert & Pitt, Ltd.; Winstanley & Lambert, Ltd.	292,154	Aug., 1950	July, 1953
Wallasey Impounding Station	Ditto	Installation of four steam-driven turbine pumps; new pump house, culverts, electric supply, &c.	Direct labour; Gwynnes Pumps, Ltd.; Unit Superheater & Pipe Co., Ltd.; P. Lind & Co., Ltd.	229,992	May, 1952	—
South Side, Bramley-Moore Dock	Ditto	Single-storey shed, steel framework, brick panelling	Direct labour; Fleming Bros. (Struct. Engs.), Ltd.	157,005	Apr., 1954	Dec., 1954
South Shed, King's Dock, No. 1	Ditto	Rebuilding and repairing (war damage)	Direct labour; F. Morton & Co., Ltd.; Robertson Thain, Ltd.	114,460	Nov., 1952	June, 1954
Landing Stage, Liverpool	Ditto	New floating roadway, 551ft long, 30ft wide ..	Direct labour: Sir W. Arrol & Co., Ltd.	113,033	Oct., 1952	May, 1953
Brocklebank Warehouses	Ditto	Rebuilding and repairing (war damage)	Direct labour; J. B. Johnson & Co., Ltd.; S. & C. Walmsley, Ltd.	90,000	Aug., 1953	June, 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
North Shed, Victoria Dock	Mersey Docks and Harbour Board	Single-storey dockside shed, steel framework, brick panelling	Direct labour; McIntyre & Sons, Ltd.; Robertson Thain, Ltd.	80,140	May, 1952	Jan., 1954
East Side, Regent Road	Ditto	Providing new North Dock Yard...	Direct labour	84,190	June, 1951	—
East End, North Block, Stanley Warehouse	Ditto	Construction of single-storey warehouse (war damage)	Direct labour; P. Lind & Co....	72,420	Nov., 1952	Feb., 1954
West Shed, Trafalgar Dock	Ditto	Raising level of quay and reconstruction	Direct labour; W. Bain & Co., Ltd.; Robertson Thain, Ltd.	38,720	Jan., 1952	Aug., 1953
Birkenhead Grain Warehouses	Ditto	Repairing portion of quay wall (war damage) ...	Direct labour	38,125	May, 1952	Nov., 1953
North Side, Gladstone Dock	Ditto	Development of reclaimed land as timber storage ground	Direct labour; T. Summerson & Sons, Ltd.; Chain Link Fencing, Ltd.	34,200	Jan., 1952	Mar., 1954
North Side, Langton Branch Dock	Ditto	Single-storey shed of brick construction (war damage)	Direct labour; J. H. & W. Bell, Ltd.; Robertson Thain, Ltd.	33,600	Feb., 1952	Nov., 1953
Clarence Esplanade Pier Co., Ltd.	L. G. Mouchel & Partners, Ltd.	Reconstruction of landing stages and pier decking	J. Croad, Ltd.	130,000	May, 1953	—
Londonderry Port and Harbour	Londonderry Port and Harbour Board; L. G. Mouchel & Partners, Ltd.	Reconstruction and extension of wharf	McLaughlin & Harvey, Ltd. ...	220,000	Apr., 1953	—
Royal Edward Dock ...	Port of Bristol Authority; Rendel Palmer & Tritton	Construction of new locomotive shed, &c.... ..	R. Watson & Co., Ltd.	120,000	Nov., 1951	—
	Port of Bristol Authority ..	New wine bond and cargo warehouse...	P. Lind & Co., Ltd.; R. Watson & Co., Ltd.	225,000	Aug., 1953	—
Portishead Dock	Ditto	Construction of new wharf	Simon Carves, Ltd.	105,000	July, 1951	Dec., 1953
St. Katharine Dock ..	Port of London Authority...	Reconstruction of entrance lock	J. Mowlem & Co., Ltd.; Sir W. Arrol & Co., Ltd.	77,000	Oct., 1952	—
London Dock	Ditto	Reconstruction of vaults, quay and shed	J. Mowlem & Co., Ltd.	135,000	Sept., 1951	June, 1953
		Reconstruction of warehouse	Holloway Bros. (London), Ltd.	50,000	Nov., 1951	Oct., 1953
		Construction of lock gates	Head, Wrightson & Co., Ltd. ..	89,000	Aug., 1952	—
Surrey Commercial Docks	Ditto	Construction of shed	Higgs & Hill, Ltd.	164,000	Sept., 1953	—
West India Dock	Ditto	Construction of two sheds	J. Mowlem & Co., Ltd.	480,000	Nov., 1950	—
		Repairs to false quay	Ditto	60,000	July, 1953	—
Millwall Dock	Ditto	Reconstruction of quay	C. J. Sims, Ltd.	75,000	Dec., 1952	Oct., 1953
Royal Albert Dock ...	Ditto	New plant for impounding station	Vickers-Armstrongs, Ltd.	74,000	Aug., 1951	—
		Reconstruction of lock entrance	J. Mowlem & Co., Ltd.	895,000	Sept., 1951	—
		Construction of lock gates	Vickers-Armstrongs, Ltd.	30,000	Aug., 1951	—
		Repairs of sheds	Higgs & Hill, Ltd.; J. Mowlem & Co., Ltd.	120,000	Oct., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
HOME						
King George V Dock ...	Port of London Authority...	Reconstruction and repair of sheds	Higgs & Hill, Ltd.	60,000	May, 1952	Sept., 1953
		Construction of industrial canteen	Whyatt Bros. (Bldrs.), Ltd. ..	90,000	Nov., 1951	Sept., 1953
Tilbury Dock	Ditto	Improved road access	J. Mowlem & Co., Ltd.	62,000	Mar., 1952	—
		Main dock : construction of new north quay ...	Holloway Bros. (London), Ltd....	670,000	May, 1953	—
Anglo-Iranian Oil Co., Isle of Grain	Rendel, Palmer & Tritton ...	Construction of four r.c. jetties and sea water pump-house	Sir R. McAlpine & Sons (S. Wales), Ltd.	822,294	Mar., 1951	Jan., 1953
		Construction of jetty and reconstruction of oil loading jetty	Ditto	382,800	Feb., 1953	June, 1954
British Transport Commission : South Wales Docks (East)	Ditto	Widening of junction cut between north and south docks and extension of swing bridge at Newport Docks	—	110,000	—	—
British Transport Commission : Southampton Docks	Scott & Wilson	Steel framework of transit shed 102	The Fairfield Shipbuilding & Eng. Co., Ltd.	240,000	May, 1953	Oct., 1954
Town Quay	Southampton Harbour Board ; *J. P. M. Pannell*	Rebuilding cargo warehouse (war damage) ...	Direct labour	50,000	1953	—
Tyne Dock, South Shields	Tyne Improvement Commission ; Rendel, Palmer & Tritton	R.C. deep-water quay and ore bunker foundations	Yorkshire Hennebique Contr. Co., Ltd.	400,000	Nov., 1950	July, 1953
	Tyne Improvement Commission	Iron ore handling, storage and loading plant ...	Simon Handling Engineers, Ltd.	555,700	Nov., 1950	Nov., 1953
		Five 10-ton electric level-luffing grabbing cranes	Stothert & Pitt, Ltd.	250,000	Oct., 1950	Dec., 1953
Berth "A," Whitehill Point, North Shields	Tyne Improvement Commission ; L. G. Mouchel & Partners, Ltd.	R.C. deep-water quay and plant foundations ...	Brims & Co., Ltd.	83,267	May, 1952	Apr., 1953
	Tyne Improvement Commission	Coal handling and loading plant	Simon Handling Engineers, Ltd.	285,700	Feb., 1952	Aug., 1954
Middle Docks and Engineering Co., Ltd., South Shields	Waterhouse & Rounthwaite	Extension of dockyard and Nos. 1, 2 and 3 docks	Brims & Co., Ltd.	159,000	Sept., 1953	1954
King's Lynn Conservancy Board	Wilton & Bell	Reconstruction of South Quay, King's Lynn ...	Dredging & Constr. Co., Ltd. ...	100,000	Mar., 1953	June, 1954
ABROAD						
Deep Water Quay, Freetown, Sierra Leone	Coode & Partners	1200ft quay wall, sheds and reclamation	Pauling & Co., Ltd.	800,000	Mar., 1948	May, 1953
Port Development Works Colombo, Ceylon Govt.	Ditto	Stage I : N.E. breakwater quay, oil dock, delft pier, quay widening, reclamation, sheds, &c.	Compagnie Industrielle de Travaux ; Etablissements Billiard	3,000,000	June, 1950	Dec., 1954
		Stage II : South-west breakwater quay, reclamation, sheds, &c.	Ditto	2,000,000	Feb., 1951	Dec., 1954
Apapa Wharf Extension, Lagos, Nigeria	Ditto	2565ft wharf wall, 370ft lighter berth, sheds, dredging, reclamation, railway sidings	R. Costain, Ltd.	2,600,000	Jan., 1950	Apr., 1955
Deep Water Quay, Dar-es-Salaam, Tanganyika	Ditto	1800ft quay wall, dredging, reclamation, sheds, &c.	J. L. Kier & Co. (London), Ltd.	1,630,000	Apr., 1951	Oct., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
ABROAD						
Oil Jetties, Fao, Iraq : Basrah Petroleum Co., Ltd.	Coode & Partners	Four oil jetties, approaches and berthing dolphins	Holloway Bros. (London), Ltd. ...	990,000	Oct., 1950	Jan., 1954
Slipways, Freetown, Sierra Leone	Ditto	Construction of 500 tons tug slipway and launch slipway, reclamation, workshops, &c.	Pauling & Co., Ltd.	140,000	May, 1951	Jan., 1954
Warehouses, Freetown, Sierra Leone	Ditto	Construction of two warehouses and ancillary buildings	Ditto	172,000	May, 1952	Jan., 1954
Tiko Wharf, Cameroons Development Corpn.	Ditto	Construction of 450ft screw pile wharf and lighter berth	Braithwaite & Co., Engs., Ltd.; R. Costain (West Africa), Ltd.	300,000	Dec., 1952	Aug., 1954
Mombasa Harbour; East African Railways & Harbours	Chief Engineer, E. A. R.& H. Coode & Partners	Construction of 1200ft of screw pile berths ...	Braithwaite & Co. Engs, Ltd. ...	1,100,000	Jan., 1953	Feb., 1954
Singapore Harbour Board	Coode & Partners	Graving dock	Gammon (Malaya), Ltd.	600,989	Nov., 1953	Nov., 1955
Govt. of India	Sir Alexander Gibb & Partners	Dredging, reclamation, construction of wharves, graving dock, buildings and ancilliary works at Bombay	Not yet let	4,000,000	Early 1954	—
Tripoli : Libyan Public Development and Stabilisation Agency	Sir William Halcrow & Partners	Reconstruction of Spanish quay and silo berths	Direct labour	100,000	Apr., 1951	June, 1953
		Karamanli oil berth	Société Dumez	105,000	Oct., 1953	1954
Port of Kuwait	Ditto	Construction of four-berth port, including dredging entrance channel	Not yet let	4,500,000	Apr., 1954	1956
		Dredging entrance channel	Overseas Dredging Co., Ltd. ...	1,500,000	1953	1954
Port of Tema, Gold Coast	Ditto	Preliminary works for new port : roads, railways, water supply and camps	G. Wimpey & Co., Ltd.; Taylor Woodrow (West Africa), Ltd.; B.B.C. Constr. Co. (Accra)	1,250,000	Oct., 1952	Apr., 1954
		Construction of new four-berth harbour	Not yet let	9,000,000	July, 1954	1958
Shell Petroleum Co., Ltd. —Jamaica	Ditto	New deep-water oil berth	Marples Ridgway & Partners, Ltd.	75,000	May, 1953	Nov., 1953
Shell Petroleum Co., Ltd. —Singapore	Ditto	Four deep-water oil berths	Gammon (Malaya), Ltd.	300,000	June, 1953	1954
British Titan Products Co., Ltd.	Maunsell, Posford & Pavry	Transport and shipping installations for ilmenite workings in Gambia	Not yet let	500,000	1954	—
River Kishon Development	M. Nachshen	Rectification, widening and deepening of 3km of river ; construction of weir, breakwater and 1130ft quay	Royal Netherlands Harbour Works Co., Ltd.; Solel Boneh, Ltd.	I.L. 3,150,000	May, 1951	Dec., 1953
Anglo-Iranian Oil Co. ...	Rendel, Palmer & Tritton ...	Aden Oil Port : dredging and reclamation ...	Dredging & Constr. Co., Ltd.; K. L. Kalis. Sons & Co., Ltd.	—	Dec., 1952	—
		Oil harbour with four berths	G. Wimpey & Co., Ltd.	—	Nov., 1952	Dec., 1954
Extensions to Takoradi Harbour, Gold Coast	Ditto	Timber depot, deep-water wharf extensions, oil berth, bauxite berth, land reclamation, sheds, &c.	Taylor Woodrow (West Africa), Ltd.	4,500,000	June, 1949	1954
Chittagong Port Expansion	Rendel, Palmer & Tritton (M.R.V. Pakistan)	Construction of seven steel screw-pile jetties ...	Braithwaite & Co. (Engrs.), Ltd.	3,000,000	Dec., 1950	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HARBOURS AND DOCKS (*continued*)		£		
ABROAD						
Govt. of Pakistan, Karachi	Rendel, Palmer & Tritton; Merz & McLellan; V.B.B. (Stockholm)	Construction of dry dock and fitting-out berth ...	G. Wimpey & Co., Ltd.	1,000,000	Jan., 1952	1954
Iraq Petroleum Co. ...	Rendel, Palmer & Tritton ..	Boat harbour, Banias	J. Laing & Sons, Ltd.	—	1951	1953
Anglo-Iranian Oil Co., Kwinana, Australia	Ditto	Jetties for new oil refinery	Kwinana Constr. Group Pty. ...	1,500,000	1953	—
Govt. of Pakistan, Karachi Dockyard	Rendel, Palmer & Tritton (M.R.V. Pakistan)	Dockyard	Various local firms	350,000	1951	1954
Aden Port Trust	Sir Bruce White; Wolfe Barry & Partners	Development of the port: (*a*) Dredging and reclamation	Dredging & Constr. Co., Ltd.; K. L. Kalis, Sons & Co., Ltd.	785,000	1954	1957
		(*b*) Extension to import pier; creation of a lighter cut and basin, and repairs basin and ancillary works	Pauling & Co., Ltd.	850,000	1954	1957
Bombay Port Trust ...	Ditto	Marine oil terminal, Bombay: (*a*) Deep water berths and other works	Royal Netherlands Harbour Works, Ltd.; Shapoorji Pallonji, Ltd.	1,350,000	1953	1955
		(*b*) Submarine pipe band	Merritt, Chapman & Scott Corpn. Ltd.; Hindustan Constr. Co., Ltd.	1,440,000	1953	1955
Bombay Port Trust; Burmah Shell Refineries, Ltd.; Tata Power Co., Ltd.	Ditto	Bund at Pir Pau	Patel & Motichand, Ltd.	440,000	1953	1955
Burmah Shell Refineries, Ltd.; Tata Power Co., Ltd.	Ditto	Jetty at Pir Pau and cooling water intakes	Royal Netherlands Harbour Works, Ltd.	420,000	1953	1955
Govt. of Fiji	Wilton & Bell	Wharf at Lautoka, Fiji	Not yet let	225,000	—	—
HOME		**HYDRO-ELECTRIC WORKS** (*Figures in brackets give the installed capacity of the scheme and the estimated annual production*)				
North of Scotland Hydro-Electric Board's Schemes:						
Glen Shira	Babtie, Shaw & Morton; Merz & McLellan	Dams, tunnels, power stations, and other works (45MW, 80×10^6kWh)	A. M. Carmichael, Ltd. and others	5,000,000	1948	1st stage, 1954
Gaur	Babtie, Shaw & Morton; Strain & Robertson	Dam, penstock, power station, and other works (6MW, 17×10^6kWh)	A. A. Stuart & Sons (Glasgow), Ltd.; P. L. J. Heron, Ltd.	650,000	Jan., 1951	1954
Allt-na-Lairige	Babtie, Shaw & Morton; Merz & McLellan	Dam, tunnel, penstock, power station, and other works (6MW, 17×10^6kWh)	Marples, Ridgway and Prtnrs., Ltd.	1,000,000	1953	1956
Loch Dubh (Ullapool)...	Blyth & Blyth; Strain & Robertson	Power station, dams, pipeline, and other works (0·9MW, 4×10^6kWh)	R. J. McLeod (Contrs.), Ltd. ...	320,000	1952	1954
Cowal	Crouch & Hogg; Merz & McLellan	Power station, dams, tunnels, pipeline, and other works (6MW, 14×10^6kWh)	Crowley, Russell & Co., Ltd.; J. Woodrow & Sons (Bldrs.), Ltd.; Whatlings, Ltd.; J. Drysdale & Co., Ltd.	1,200,000	1947	1953
Cowal extensions	Crouch & Hogg	Aqueducts, tunnels and steel pipeline	R. J. McLeod (Contrs.), Ltd. ...	350,000	1953	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		HYDRO-ELECTRIC WORKS (*continued*)		£		
HOME						
Tummel-Garry, Stage II	Sir Alexander Gibb & Partners ; Merz & McLellan	Hydro-electric development, Errochty section (75MW, 103×10^6kWh)	A. M. Carmichael, Ltd., and others	7,250,000	Nov., 1948	—
Fannich	Ditto	Aqueducts for further hydro-electric development in Ross-shire	W. Tawse, Ltd.	780,000	Nov., 1950	—
Glascarnoch - Luichart - Torr Achilty, Stages I and II	Ditto	Hydro-electric development in Conon Basin (65·4MW, 280×10^6kWh)	A. M. Carmichael, Ltd.; G. Wimpey & Co., Ltd.; W. Tawse, Ltd.; Reed & Mallik, Ltd.; Duncan Logan (Contrs.), Ltd.; J. Campbell & Sons (Bldg. Contrs.), Ltd.; P. and W. MacLellan, Ltd.; Mapco, Ltd.; and others	10,000,000	1950	—
Invergarry	Sir William Halcrow and Partners ; Kennedy and Donkin	Dam, tunnel, diversion tunnel and generating station (20·4MW, $86 \cdot 4 \times 10^6$kWh)	Whatlings, Ltd.	2,900,000	1951	1954
Quoich	Ditto	Dam, tunnel, fish heck and trap, and generating station foundations (22·5MW, 82×10^6kWh)	R. Costain, Ltd.	3,770,000	1951	1955
Upper Moriston	Ditto	Dams, tunnels, generating station (20·84MW, 22×10^6kWh)	Mitchell Constr. Co., Ltd.	4,850,000	1952	1955
Breadalbane : St. Fillans and Comrie Works	Sir M. MacDonald & Partners; Kennedy & Donkin	Dams, tunnels, power stations, &c. (complete scheme, 88·5MW, 304×10^6kWh)	Not yet let	4,500,000	1954	1958
Loch Shin Scheme : Main and Cassley Works	Ditto	Dams, tunnels, aqueducts, power stations, &c. (complete scheme 44MW, 167×10^6kWh)	Ditto	5,000,000	1954	1957
Breadalbane : Lyon-Lochay Works	James Williamson & Partners ; Merz & McLellan	Dams, tunnels, power stations, &c.	E. Nuttall, Sons & Co. (London), Ltd.; J. Miller & Partnrs., Ltd.	4,000,000	Aug., 1953	—
Lawers	Ditto	Dam, tunnel, pipeline, valves and sluices, power station and collecting aqueducts (30MW, 80×10^6kWh)	Cementation Co., Ltd.; P. & W. MacLellan, Ltd.; Glenfield & Kennedy, Ltd.	4,250,000	May, 1951	1956
Lussa	James Williamson & Partners	2-mile tunnel and aqueduct to extend catchment area	J. Woodrow & Sons, Ltd.	200,000	Apr., 1953	1956
Dolgarrog, North Wales	Freeman, Fox & Partners ...	Aqueducts and power station extension	—	400,000	June, 1954	June, 1956
Maentwrog, North Wales	Ditto	Aqueducts	—	300,000	June, 1954	June 1956
ABROAD						
Uganda Electricity Board: Owen Falls	Sir Alexander Gibb & Partners ; Kennedy and Donkin	Power station and dam across River Nile, raising the level of Lake Victoria (150MW)	Owen Falls Constr. Co., and others	5,650,000	Oct., 1949	—
Dom. of New Zealand : Atiamuri scheme	N.Z. Ministry of Works ; Sir Alexander Gibb and Partners ; Merz and McLellan	Dam and power station on Waikato River, North Island (63MW)	—	4,000,000	1954	—
Aswan Dam Hydro-Electric Scheme : Govt. of Egypt	Kennedy & Donkin : Scott & Wilson ; V.B.B.	Intake dam, power-house ($7 \times 49 \cdot 5$MVA and $2 \times 13 \cdot 5$MVA), tunnels, gates	Société des Grands Travaux de Marseille ; Société des Forges et Ateliers du Creusot	12,000,000	1953	1960
Ceylon Hydro-Electric Scheme: Ceylon Govt.	Preece, Cardew & Rider ; Coode & Partners	Dam, power station extension, and other works...	Not yet let	1,500,000	—	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		IRRIGATION		£		
ABROAD						
Wadi Tharthar Project, Iraq Development Board	Coode & Partners	Excavation for inlet channel and construction of embankment	Balfour, Beatty & Co., Ltd. ...	6,000,000	Oct., 1951	Dec., 1955
		Barrage across River Tigris and hydro-electric power station	Ed. Zublin A.G.	5,000,000	Feb., 1953	July, 1956
Ramadi Barrage, Iraq Development Board	Ditto	Construction of barrage of twenty-four openings and lock	Société Anonyme Hersent ...	1,416,763	Mar., 1952	Dec., 1955
Sherkat Sehami Kuhrang; Independent Irrigation Corpn., Isfahan, Iran	Sir Alexander Gibb & Partners	Diversion weir, intake works and tunnel 1¾ miles to carry headwaters of Karun River for irrigation	Nortrac-Iran	875,000	Oct., 1948	Oct., 1953
Sudan Govt.	Ditto	Guneid pumping station	Misr Concrete Development Co.; British suppliers of plant and materials	600,000	Oct., 1952	—
HOME		**POWER STATIONS**				
POWER STATIONS OF THE BRITISH ELECTRICITY AUTHORITY:						
Carrington (Manchester)	C. S. Allott & Son	Foundations, superstructure, c.w. system, river works, &c.	M. J. Gleeson (Contrs.), Ltd.; Sir W. Arrol & Co., Ltd.; W. & J. R. Watson, Ltd.; and others	5,170,000	1948	1954
Croydon "B"	Ditto	Foundations, superstructure, c.w. system, railway and road works, &c.	Sir R. McAlpine & Sons, Ltd.; Sir W. Arrol & Co., Ltd.; Concrete Piling Ltd.; and others	3,500,000	1946	1953
Brunswick Wharf, Poplar	John Bruce & Partners; L. G. Mouchel & Partners, Ltd.	Foundations, superstructure, river works, c.w. system, &c.	P. Lind & Co., Ltd.; Redpath, Brown & Co., Ltd.; Marples Ridgway & Prtnrs., Ltd.; Tileman & Co., Ltd.	5,500,000	1947	1953
Keadby	Ewbank & Partners, Ltd.; Sir William Halcrow & Partners	Foundations, c.w. system, &c.	Sir R. McAlpine & Sons (Midlands), Ltd.	3,250,000	Mar., 1948	Dec., 1953
Doncaster	Ditto	Foundations, c.w. system, &c.	Higgs & Hill, Ltd.	850,000	May, 1950	1954
Castle Donington	Freeman, Fox & Partners ...	Foundations, buildings, river works, &c.	W. Moss & Sons, Ltd.; Taylor Woodrow Constr., Ltd.; Sir W. Arrol & Co., Ltd.; and others	2,490,000	Nov., 1951	1955
		Foundations, buildings, river works, &c.; chimneys and ancillary buildings	Taylor Woodrow & Co., Ltd. ...	7,250,000	Nov., 1951	1957
Portishead "B"	Sir William Halcrow & Partners	Foundations, c.w. system, &c., structural steelwork; and superstructure (not yet let)	C. Brand & Son, Ltd.; Sir W. Arrol & Co., Ltd.	4,900,000	Nov., 1951	1957
Marchwood	Ditto	Foundations, c.w. system, &c.; structural steelwork; and superstructure (not yet let)	Sir R. McAlpine & Sons, Ltd.; A. Findlay & Co., Ltd.	4,940,000	Aug., 1952	1956
Uskmouth "A," Mon....	Ditto	Intake and outfall works and river dredging ...	Holloway Bros. (London), Ltd....	160,000	Aug., 1951	Dec., 1953
Willington	Sir William Halcrow & Partners; Ewbank & Partners, Ltd.	Foundations, c.w. system, &c.	Not yet let	—	Jan., 1954	1957
Chadderton	Kennedy & Donkin; L. G. Mouchel & Partners, Ltd.	Foundations and buildings, c.w. system, &c. ...	M. J. Gleeson, Ltd.; E. Wood & Co., Ltd.; J. Jarvis & Sons, Ltd.	5,100 000	1949	1958

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS *(continued)*		£		
HOME						
Huncoat (Accrington) ...	Kennedy & Donkin; L. G. Mouchel & Partners, Ltd.	Foundations and buildings, c.w. system, &c. ...	J. Jarvis & Sons, Ltd.; J. Gerrard & Sons, Ltd.; Bierrum & Ptnrs.,Ltd.; Simon-Carves,Ltd.	3,340,000	1948	1959
Portobello (Edinburgh)...	Kennedy & Donkin ; Kinnear & Gordon ; Andrews Kent & Stone	Extension of generating station	Melville, Dundas & Whitson ; J. Gill	600,000	1952	1956
Westwood (Wigan) ...	Kennedy & Donkin ; C. S. Allott & Son	Foundations and buildings, coaling wharf, c.w. system, &c.	W. Moss & Sons, Ltd.; Mitchell Constr. Co., Ltd., and others	2,000,000	1947	1954
Rogerstone	Kennedy & Donkin ; Sir Bruce White, Wolfe Barry & Partners	Foundations, buildings, c.w. system, &c.	Not yet let	2,000,000	1954	1957
Machen	Ditto	Foundations, buildings, c.w. system, &c.	—	2,000,000	1952	1956
Pinkston, Glasgow ..	F. A. Macdonald & Partners	Cooling tower, 320ft high, generator foundations, &c.	McKean & Co. (Glasgow), Ltd.; Holst & Co., Ltd.; Davenport Eng. Co., Ltd.	335,000	1951	1953
Stella North	Merz & McLellan	Piling for main foundations and substation ...	Franki Compressed Pile Co., Ltd.	191,900	Oct., 1951	—
		Main foundations, c.w. culverts, railway sidings, superstructure, ash quay and settling ponds, pump houses ; 132kV substation	Sir R. McAlpine & Sons (Newcastle on Tyne), Ltd.	3,209,300	May, 1952	—
		Cooling towers	Davenport Eng. Co., Ltd. ...	558,700	June, 1953	—
		Two brick chimneys	D. Theaker & Co., Ltd.	84,400	Aug., 1953	—
		Steel frame for turbine house, boiler house, workshops and stores	Cleveland Bridge & Eng. Co., Ltd.	813,300	Apr., 1953	—
Stella South	Ditto	Main foundations, c.w. culverts, embankments, superstructure, ash quay and settling ponds and pump houses	Sir R. McAlpine & Sons (Newcastle on Tyne), Ltd.	3,820,700	Nov., 1951	—
		Steel frame for turbine house, boiler house, workshops and stores	Cleveland Bridge & Eng. Co., Ltd.	958,000	—	—
		Two brick chimneys	P. C. Richardson & Co., Ltd. ...	94,500	Apr., 1953	—
Goldington	Ditto	Civil works at grid substation	Mitchell Constr. Co., Ltd.... ...	76,000	Dec., 1952	Dec., 1953
Creyke Beck substation, Hull	Ditto	Civil works at grid substation	G. Houlton & Sons, Ltd.	72,000	Dec., 1952	Dec., 1953
Drakelow	Ditto	Civil works at 275kV grid substation	Sir R. McAlpine & Sons (Midlands), Ltd.	100,000	Sept., 1953	May, 1954
Littlebrook "C"	Merz and McLellan ; Sir Alexander Gibb & Partners	Foundations, buildings, river works, chimneys, &c.	Holloway Bros. (London), Ltd.; Tileman & Co., Ltd.	3,000,000	Jan., 1949	—
Tilbury	Ditto	Access road, railway sidings, piling and foundations, buildings, river works, chimneys, &c.	Holloway Bros. (London), Ltd.; Bierrum & Ptnrs.; W. Lawrence & Son, Ltd.; Tileman & Co., Ltd.	4,000,000	July, 1950	—
Goldington	Ditto	Foundations and buildings, river works, &c. ...	Mitchell Constr. Co.; Bierrum & Ptnrs.	2,000,000	June, 1950	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
HOME						
Skelton Grange	Merz & McLellan; Sir Alexander Gibb & Partners	Foundations, buildings, roads, railways, cooling tower, chimney, &c.	H. Arnold & Son, Ltd.; Marples, Ridgway & Ptnrs., Ltd.; Holst & Co., Ltd.; J. L. Kier & Co., Ltd.	2,800,000	July, 1947	—
Meaford "B"	Ditto	Foundations, buildings, railway sidings, approach road, cooling towers, chimney	G. Percy Trentham, Ltd.; Davenport Eng. Co.; P. C. Richardson & Co. (Middlesbrough), Ltd.	1,700,000	Oct., 1950	—
Roosecote, Barrow-in-Furness	Merz & McLellan; James Williamson & Partners	Preliminary civil engineering works, main foundations, c.w. works and steel pipelines	J. Gerrard & Sons, Ltd.; Franki Piling Co., Ltd.; Bierrum & Ptnrs., Ltd.; Horseley Bridge & T. Piggott, Ltd.; and others	1,050,000	Sept., 1949	1954
Bold "A," St. Helens...	Ditto	Foundations, ancillary works and extensions ...	J. Laing & Son, Ltd.; T. W. Ward, Ltd.; Norwest Constr. Co., Ltd.; and others	715,000	Jan., 1951	1954
Ferrybridge, Yorks ...	Mott, Hay & Anderson ...	Foundations, superstructure, chimneys, &c. ...	Not yet let	3,500,000	1952	1956
Brighton "B"	L. G. Mouchel & Partners, Ltd.	Final extension, foundations, buildings and chimney	Holloway Bros. (London), Ltd.; others not yet let	1,000,000	1953	—
Hackney	Ditto	Foundations, superstructure, wharf, c.w. system and chimney	J. L. Kier & Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.; and J. Morgan (Bldrs.), Ltd.	2,000,000	1950	1954
Connah's Quay, Chester	Ditto	Reclamation, foundations, superstructure, c.w. system, &c.	Westminster Dredging Co., Ltd.; Yorkshire Hennebique Contr. Co., Ltd.; A. Tileman & Co., Ltd.; F. Morton & Co., Ltd.; J. Gerrard & Sons, Ltd.	2,300,000	1950	—
Fleetwood, Lancs	Ditto	Reclamation, foundations, superstructure, cooling towers, &c.	M. J. Gleeson (Contrs.), Ltd.; E. Wood & Co., Ltd.	2,300,000	1950	—
Hams Hall "C"	Ditto	Foundations, superstructure, c.w. system, prestressed bridges, &c.	Sir R. McAlpine & Sons (Midlands), Ltd.; Braithwaite & Co., Struct., Ltd.	5,000,000	1952	—
Drakelow "A"	Ditto	Foundations, superstructure, chimneys, cooling tower, c.w. system, &c.; prestressed concrete tanks (1½ m.g. capacity), and elevated coal tunnels	Sir R. McAlpine & Sons (Midlands), Ltd.; Mitchell Constr. Co.; P. C. Richardson & Co. (Middlesbrough) Ltd.	5,000,000	1951	—
Lincoln	Ditto	Second extension, piling, foundations, superstructure, cooling towers, &c.	Not yet let	1,000,000	—	—
Leicester...	Pick, Everard, Keay and Gimson	Alterations to coal sidings	Holloway Bros. (L'n), Ltd. ...	220,000	Apr., 1950	1953
East Yelland	Preece, Cardew & Rider; Sir Alexander Gibb & Partners	Roads, sidings, foundations, river works, superstructures, chimney	C. Brand & Sons, Ltd.; Taylor Woodrow Constr., Ltd.; J. Lysaghts, Ltd.; Staverton Bldrs., Ltd.; Tileman & Co., Ltd.	3,150,000	July, 1949	—
Ince...	Rendel, Palmer & Tritton...	Sidings, foundations and culverts, structural steelwork	B.C.S. (Engs. & Contr.), Ltd.; Holland & Hannen and Cubitts Ltd.; Horseley Bridge & T. Piggott, Ltd.	—	Apr., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
HOME						
South Denes	Rendel, Palmer & Tritton...	Foundations, river works, c.w. culverts and sea outfall	—	2,800,000	1954	—
Barony, Ayrshire	James Williamson & Partners	Preliminary civil engineering...	J. Laing & Son, Ltd.	74,000	1953	—
		Structural steelwork	Colville Constr. Co., Ltd.	230,000	1954	—
		Main foundations and ancillary works	Not yet let	—	—	—
Anglo-Iranian Oil Co.: National Oil Refineries Ltd.	Ewbank & Partners, Ltd. ...	Llandarcy : power station for oil refinery extension	D. C. & W. Press, Ltd.	1,700,000	Dec., 1950	1953
		Cooling towers and c.w. mains	J. L. Kier & Co., Ltd.; D. C. & W. Press, Ltd.	800,000	1950	1953
Anglo-Iranian Oil Co....	Ewbank & Partners ; Rendel, Palmer & Tritton	Power station for Kent oil refinery	Sir R. McAlpine & Sons (S. Wales), Ltd.	2,300,000	Jan., 1951	Nov., 1953
City and County Borough of Belfast	Merz & McLellan ; James Williamson & Partners	Belfast Municipal power station West : main foundations	R. J. Campbell (Belfast), Ltd. ...	112,000	1952	1953
		C.W. switch-house, coal and ancillary works ...	Stewart & Partners, Ltd.	391,000	Jan., 1953	1954
		Superstructure	H. & J. Martin	266,000	Mar., 1953	—
		Municipal power station, East extensions : accommodation building	J. M. Reilly, Ltd.; Concrete Piling, Ltd.	102,300	1952	1953
Thames Board Mills, Ltd.	Frederick S. Snow & Ptnrs.	Reconstruction of power station	W. & C. French, Ltd.	150,000	1948	1953
ABROAD						
Connaught Bridge Power Station : Federation of Malaya (Crown Agents)	Coode & Partners ; Preece, Cardew & Rider	Steelwork, foundations, c.w. system, main building and extension	Redpath, Brown & Co., Ltd.; Ewart (Civil Engs.), Ltd. Bong Sin & Co.	750,000	Sept., 1948	1954
Pasir Panjang : Municipality of Singapore	Ditto	Foundations, building, c.w. system, jetty, roads, &c., structural steelwork and extension	G. Wimpey & Co., Ltd.; Redpath, Brown & Co., Ltd.	1,900,000	Dec., 1950	1954
Ijora " B " Lagos : Electricity Corpn. of Nigeria	Ditto	Foundations, c.w. system, r.c. chimney, steelwork, main building, roads, &c.	R. Costain, Ltd.; Baume et Marpent	1,750,000	Apr., 1951	Aug., 1955
Aden Electricity Department	Ditto	Foundations, c.w. system, erection of steelwork, building	Mitchell Eng. Group, Ltd.	172,000	Nov., 1951	Sept., 1954
Oji River : Electricity Corpn. of Nigeria	Ditto	Foundations, c.w. system, weir, steelwork, building, roads, &c.	R. Costain, Ltd.; Baume et Marpent	452,025	Mar., 1953	Dec., 1954
Sherkat Sehami Turbine, Isfahan, Iran	Sir Alexander Gibb & Partners ; Merz & McLellan	Power station, 12MW, and distribution system...	Local contractors ; British plant suppliers	1,500,000	Aug., 1948	June, 1953
Electricity Authority of Cyprus	Sir Cyril Kirkpatrick & Partners ; Preece, Cardew & Rider	Foundations, buildings, roads, c.w. system ...	Sir L. Parkinson & Co., Ltd.; T. W. Palmer & Co., Ltd.	230,000	Apr., 1950	—
Electricity Corpn. of Nigeria	Ditto	Kano " B " power station foundations, buildings, &c.	Taylor Woodrow (West Africa), Ltd.	130,000	Aug., 1953	—
Sudan Govt.	Ditto	Port Sudan power station foundations, buildings, &c.	Direct labour	90,000	1953	—
		Atbara power station foundations, buildings, &c.	Ditto	70,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		POWER STATIONS (*continued*)		£		
ABROAD						
City of Bloemfontein ...	Merz & McLellan; Sir Alexander Gibb & Partners (Africa)	Provision of cooling towers and extension of existing station	Lewis Constr. Co. (S. Africa) ...	650,000	Nov., 1950	—
Pretoria "B": Pretoria Corpn.	Merz & McLellan; F. E. Kanthack & Partners (Johannesburg)	Extensions of foundations, r.c. buildings and c.w. system	J. Thompson (Pty.), Ltd.	251,000	Nov., 1953	June, 1955
City of Salisbury, S'n. Rhodesia	Ditto	Salisbury No. 3 Station, Stage I. Foundations for turbo-alternators and boilers	Holland Africa Constr. Co., Ltd.	90,000	Nov., 1953	Mar., 1954
Orlando: Johannesburg Corpn.	Ditto	Superstructure	Concor Constr. Corpn. (Pty.), Ltd.	204,600	July, 1952	—
		Cooling towers	African Batignolles Constr. (Pty.), Ltd.	458,700	Jan., 1952	Dec., 1953
		Transmission tower foundations	African Transmission Constr. Co., Ltd.; H. Davies & Co., Ltd.	21,000	Oct., 1950	—
Kelvin: Johannesburg Corpn.	Ditto	Railway sidings, bridges and culverts	L. Laing & Son (S.A.) (Pty.), Ltd.	120,000	Jan., 1953	—
		Main foundations, railway sidings	Roberts Constr. Co., Ltd.	149,000	July, 1953	—
Govt. of Bombay	Merz & McLellan (India); Rendel, Palmer & Tritton	Extensions to Chola power station	J. H. Billimoria & Co., Ltd.; Richardson & Crudas, Ltd.; Hindustan Constr. Co., Ltd.	394,000	1951	1953
Indian Central Railway...	Ditto	Extensions to Kalyan power station	Hindustan Constr. Co., Ltd. ...	80,000	1950	1953
Govt. of Madras	Ditto	Extensions to Basin Bridge "B" power station ...	Coromandel Eng. Co., Ltd.; Simplex Concrete Piles (India), Ltd.; J. C. Gammon, Ltd.; and others	200,000	1950	1953
Govt. of Pakistan	(M.R.V. Pakistan); Merz & McLellan; Rendel, Palmer & Tritton	Diesel power station	—	375,000	1953	1955
		RAILWAYS				
HOME						
WORKS OF BRITISH RAILWAYS:						
Manchester – Sheffield – Wath	B.R., Eastern and London Midland Regions; *J. I. Campbell and J. Taylor Thompson*	Electrification scheme	G. Longden & Son, Ltd.; C. R. Price; Tersons Ltd.; E. B. Jones & Rawlinson, Ltd.; Fletcher & Sharp	10,994,669	1947	June, 1954
Woodhead	B.R., Eastern Region; *J. I. Campbell*; Sir William Halcrow & Partners	Construction of new double-line tunnel	Balfour, Beatty & Co., Ltd. ...	5,024,699	Feb., 1949	Nov., 1953
Bramwith Deviation Railway	B.R., Eastern Region; *J. I. Campbell*	Reconstruction of bridges Nos. 7 and 8	P. & W. MacLellan, Ltd.; Cleveland Bridge & Eng. Co., Ltd.	148,000	Apr., 1952	Mar., 1955
Peterborough, New England Locomotive Depot.	Ditto	Reconstruction of engine shed	C. R. Price	66,150	Mar., 1952	Dec., 1953
Parkeston Quay	Ditto	Reconstruction of eastern section of quay	W. & C. French, Ltd.	303,141	July, 1952	Sept., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Between North Drove and Weston	B.R., Eastern Region ; *J. I. Campbell*	Construction of bridge over River Welland deviation	W. & C. French, Ltd.; Butterley Co., Ltd.	59,540	Mar., 1952	Sept., 1953
Ipswich	Ditto	New motive power depot	W. & C. French, Ltd.; G. A. Kenney & Sons, Ltd.	352,512	July, 1952	June, 1954
Torksey Viaduct	Ditto	Reconstruction of flooring of underline bridge ...	S. Butler & Co., Ltd.	51,328	Mar., 1953	Apr., 1954
Sheffield (Victoria) ...	Ditto	Platform roofing	Wellerman Bros., Ltd.; S. Butler & Co. Ltd.	59,974	Oct., 1952	Dec., 1953
Barking	Ditto	Diversion of Loxford Water : Construction of watercourse, sewage pumping station, drainage	W. & C. French, Ltd.	84,333	Aug., 1953	Mar., 1955
Bury St. Edmunds... ...	Ditto	Remodelling goods depot, new goods shed and offices	C. R. Price	66,937	Dec., 1951	Dec., 1953
Potters Bar	Ditto	Station reconstruction and widening	M. J. Gleeson (Contrs.), Ltd. ...	501,257	Apr., 1953	June, 1955
Birmingham, New Street	B.R., London Midland Region ; *J. Taylor Thompson ;* Birmingham Corpn.	Reconstruction of superstructure of two bridges, Nos. 2 and 3 : Stour Valley line	C. A. Norton, Ltd.	148,295	Mar., 1949	Dec., 1953
Bescot, Locomotive Shed	B.R., London Midland Region ; *J. Taylor Thompson*	Renewal of roof, pits and paving...	E. Wood & Sons, Ltd.	64,549	July, 1951	Aug., 1953
Derby Locomotive Works	Ditto	Construction of new stores to replace building destroyed by fire	Concrete Piling, Ltd.; E. Wood & Sons, Ltd.	183,089	Dec., 1951	Nov., 1953
St. Pancras Way	Ditto	New road motor depot	F. Bradford & Co., Ltd.	135,590	May, 1951	June, 1954
Liverpool Exchange Station	Ditto	Renewal of roof	Robertsons Bldg. Service, Ltd.; Mellowes & Co., Ltd.; and others	121,500	Aug., 1950	June, 1954
Liverpool, Huskisson ...	Ditto	Reconstruction of goods depot	Dorman Long & Co., Ltd.; J. H. & W. Bell, Ltd., and others	195,018	Mar., 1952	Feb., 1954
Northwich Area : Winnington Oakleigh	Ditto	Siding accommodation for Imperial Chemical Industries, Ltd.	International Development Co.; L. Fairclough, Ltd.	84,360	June, 1952	July, 1953
Northwich Area : Wallerscote	Ditto	Siding accommodation for Imperial Chemical Industries, Ltd.	L. Fairclough, Ltd.	72,872	Mar., 1952	Aug., 1953
Leicester	Ditto	Modernisation of motive power depot...	Gee, Walker & Slater, Ltd.; H. Lees & Co., Ltd.; J. Boyd & Co. (Engs.), Ltd.	385,457	May, 1951	May, 1954
Liverpool, Lime Street...	Ditto	Station improvements	R. Myles, Ltd.	59,471	Apr., 1952	Mar., 1954
Liverpool, Downhill Sidings	Ditto	Improved carriage cleaning facilities, office and stores	Tersons, Ltd.	58,969	June, 1952	Dec., 1953
Crewe North	Ditto	Modernisation of motive power depot	Fairclough, Ltd.	900,000	Aug., 1953	—
Crewe	Ditto	Construction of apprentices' training school ...	Holland & Hannen and Cubitts, Ltd.; D. Thomson & Sons (London), Ltd.	170,894	May, 1953	July, 1954
Walsall Motive Power Depot	Ditto	Renewal of roof, pits and paving...	E. Wood & Sons, Ltd.; Redpath Brown & Co., Ltd.; Mellowes & Co., Ltd.	60,564	Dec., 1953	Dec., 1954
Carpenders Park	Ditto	New station	Tersons, Ltd.	134,000	Mar., 1952	Apr., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Bradford, Forster Square Station	B.R., North-Eastern Region : *A. Dean*	Reconstruction of roof over platforms and concourse	S. Butler & Co., Ltd.; Helliwell & Co., Ltd.	60,170	Oct., 1953	June, 1954
Newport	Ditto	Construction of new motive power depot	L. Fairclough, Ltd.; A. Robinson (Contrs.), Ltd.	987,819	May, 1953	1957
Oakley	B.R., Scottish Region ; *I. R. Frazer*	New marshalling yard	Whatlings, Ltd.; Clydeside Constr. Co., Ltd.; Cowans Sheldon & Co., Ltd.	190,075	Sept., 1949	Dec., 1954
Mallaig Harbour	Ditto	Reconstruction of inner berth	H. M. Murray & Co., Ltd. ...	61,000	Jan., 1952	Dec., 1954
Bathgate	Ditto	New engine shed	T. Gebbie & Co., Ltd.	132,193	June, 1952	Sept., 1954
Aberdeen, Guild Street...	Ditto	Modernisation of goods shed	D. C. Stewart	69,194	Sept., 1952	June, 1954
Thornton	Ditto	New marshalling yard	G. Wimpey & Co., Ltd.	136,009	Dec., 1952	Dec., 1953
Glasgow (Sighthill) ...	Ditto	Central road motor repair depot	T. Cooper & Co. (Bldrs.), Ltd.; G. N. Haden & Sons, Ltd.; J. Kirkpatrick & Son, Ltd.	60,203	July, 1952	Dec., 1953
London Suburban Electrified Area	B.R., Southern Region ; *F. E. Campion*	Introduction of standard frequency of 50 c/s ; construction of substations, track paralleling huts, control rooms	Tersons, Ltd.; Demolition & Constr. Co., Ltd.; J. W. Ellingham, Ltd.; Trollope & Colls, Ltd.; L. & W. Whitehead, Ltd.; J. B. Edwards & Co. (Whyteleafe), Ltd.; James Longley & Co., Ltd.	11,547,000	1952	1957
Operation of ten-car trains on Eastern section, stage 1	Ditto	Extension of platforms, bridge widening, earthworks	Aubrey Watson, Ltd.; J. W. Ellingham, Ltd.; Demolition & Constr. Co., Ltd.; Caffin & Co., Ltd.	559,396	1952	June, 1954
Charing Cross	Ditto	Renewal of bridge decking and portions of platforms	Cleveland Bridge & Eng. Co., Ltd.	250,021	June, 1953	June, 1955
Balham	Ditto	Reconstruction of station ; retaining wall... ...	L. & W. Whitehead, Ltd.	101,875	July, 1952	1955
Tondu Engine Shed ...	B.R. Western Region ; *M. G. R. Smith*	Renewal of roofing	Fairfield Shipbuilding & Eng. Co., Ltd.	51,000	Jan., 1952	June, 1954
Portishead	Ditto	Reconstruction of station	J. Morgan (Builders), Ltd.; C. Brand & Son, Ltd.	215,020	Apr., 1953	Jan., 1954
Gloucester Over Junction Bridge	Ditto	Construction of new bridge and demolition of existing bridge over River Severn	L. Fairclough, Ltd.	146,050	Oct., 1950	Dec., 1953
Southall Locomotive Depot	Ditto	Earthworks, drainage and buildings	Caffin & Co., Ltd.	301,500	Nov., 1949	Jan., 1954
Park Royal	Ditto	Office accommodation, canteen, &c.	Anglo-Scottish Constr. Co., Ltd.	76,565	Apr., 1953	July, 1954
Cardiff (Canton) Motive Power Depot	Ditto	Renewal of roofing	Bristol Stone & Concrete Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.	68,500	Jan., 1953	May, 1955
Cannon Street Station ...	Freeman, Fox & Partners ...	Underpinning, platform alterations and roof reconstruction	—	—	1954	1956
London G.P.O. Railway	Sir William Halcrow & Partners	New western district office with underground station	Not yet let	700,000	1955	1958

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RAILWAYS (*continued*)		£		
HOME						
Chapel Lane, Pinner ...	London Transport Executive ; *C. E. Dunton*	Reconstruction of bridge	W. Old, Ltd.	53,000	July, 1953	June, 1954
Wembley Park	Ditto	Additional loop roads	Ditto	51,000	May, 1953	May, 1954
King's Cross	Sir William Halcrow & Partners	Construction of a crossover	Not yet let	100,000	Jan., 1954	—
Aldenham Road Services Factory	London Transport Executive	Construction of factory buildings...	Tersons, Ltd.	2,000,000	Apr., 1953	—
ABROAD						
South African Railways	Brian Colquhoun & Partners	Reconstruction of Vereeniging Railway Station, Transvaal	—	250,000	1952	1954
Burma Railways	Rendel, Palmer & Tritton ...	Various steel bridges	—	—	—	—
Gold Coast Govt. ...	Ditto	Construction of Achiasi-Kotoku railway	Taylor Woodrow (West Africa), Ltd.	2,000,000	1953	1955
		RIVERS AND WATERWAYS				
HOME						
Waller's Haven	East Sussex River Board ; *C. H. H. Mercer*	Channel improvement and ancillary sluices ...	Direct labour	62,000	1949	1954
Barking	Essex River Board ; *E. L. Snell*	Diversion of Loxford Water	W. & C. French, Ltd.	100,000	1953	1954
		Diversion and improvement of Mayes Brook ...	J. T. Mackley & Co., Ltd.... ...	35,000	1953	1954
River Lee Improvement	Lee Conservancy Catchment Board	2140ft of flood channel, outfall basin to River Lee, &c.	Concrete Piling, Ltd.	180,000	July, 1951	1954
		2105ft of flood channel, accommodation bridge, &c.	G. Wimpey & Co., Ltd.	112,000	Jan., 1953	1954
		2400ft of flood channel	Ormac Constr. Co., Ltd.	66,000	Dec., 1953	1954
Trent River Board ...	Lewis & Duvivier	Gainsborough flood protection ; 1½ miles of steel sheet piled and r.c. river wall, &c.	Concrete Piling, Ltd.	142,000	Apr., 1949	July, 1953
North Alford	Lincolnshire River Board; *F. H. Tomes*	River and drain works and construction of two pumping stations	W. G. C. Hammond, Ltd., and direct labour	121,842	1952	—
River Great Ouse Flood Protection Scheme	Sir M. MacDonald & Partners	Earthworks, regulators, bridges, &c.	Not yet let	6,500,000	1954	1960
Lower Severn Improvement Scheme	Severn River Board ; *L. A. Rhodes*	Channel improvement, bank protection and new tidal outfall	Direct labour	100,000	Aug., 1952	1957
Lower Avon Improvement Scheme	Ditto	Channel improvement and installation of a sluice gate	Ditto	82,000	Aug., 1952	1958
British Oil & Cake Mills, Ltd.	Frederick S. Snow & Partners ; Unilever, Ltd.	Reinstatement of jetty, intake towers and connecting building on Thames	Christiani & Nielsen, Ltd.... ...	65,000	1953	1955
Nottingham Flood Protection Scheme	Trent River Board	River widening, steel piled toe walls, flood embankments and walls, &c.	Mitchell Constr. Co., Ltd.... ...	300,000	Apr., 1951	Apr., 1953
		Civil engineering works at Holme Sluices	Sir R. McAlpine & Sons (Midlands), Ltd.	150,000	Apr., 1953	Mar., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		RIVERS AND WATERWAYS (*continued*)		£		
HOME						
River Welland Major Improvement Scheme	Welland River Board ; *E. G. Taverner* ; Stirling, Lambert & Partners	Flood alleviation channel by-passing Spalding, 2 miles long, including seven road bridges, sluice gates, and a railway bridge	G. Wimpey & Co., Ltd.; Ransomes & Rapier, Ltd.; W. & C. French, Ltd.; Eager Constr. Co., Ltd.	Complete scheme 1,500,000	1947	1956
		River widening and training works ; excavation and flood banks ; 1600 yards steel sheet piling ; two bridges ; two r.c. bridges on Maxey cut	Direct labour ; G. Wimpey & Co., Ltd.; Butterley Co., Ltd.; W. & C. French, Ltd.; Dowsett Eng. Constr., Ltd.			
		Maxey cut and bridges ; Greatford cut and bridges	Not yet let			
		ROADS				
HOME						
TRUNK ROADS (MINISTRY OF TRANSPORT AND CIVIL AVIATION)						
Tunnel Bridge, Hook (A.30)	Hants C.C.; J. S. Wilson and John Mason	Reconstruction, including widening of bridge over Southern Region Railway	Caffin & Co., Ltd.	135,000	1953	—
Burnt Tree Junction (A.412)	Dudley C.B.C.	Reconstruction of junction, including provision of roundabout	J. Mannion & Co.	20,949	July, 1951	Apr., 1953
Neath By-pass	Rendel, Palmer & Tritton...	By-pass, Briton Ferry to Earlswood, including bridge and viaduct at River Neath crossing	Cleveland Bridge & Eng. Co., Ltd.	1,500,000	Feb., 1949	1955
Nevilles Cross Diversion	Durham C.C.	Construction of diversion, including a bridge over railway	Dorman Long & Co., Ltd. ...	128,950	June, 1951	—
Aberdeen Corpn.	Aberdeen Corpn.; *A. G. Booth*	Construction of roads and services, Northfield housing development	S. B. Russell & Sons, Ltd.; direct labour	256,000	Feb., 1950	1953
		Roads and services, Mastrick housing area ...	Ditto	327,600	July, 1951	—
		Roads and services, Kincorth housing area... ...	W. Tawse, Ltd.; direct labour...	290,874	Sept., 1947	—
Ross and Cromarty C.C.	Blyth & Blyth	Bernera Bridge : three 110ft spans in prestressed concrete	A. A. Stuart & Sons (Glasgow), Ltd.	75,000	1951	1953
Birkenhead Corpn. ...	A. P. I. Cotterell & Son ...	Roads, sewers and footpaths...	J. McGeoch & Sons, Ltd.; Lloyd & Cross, Ltd.	335,000	Aug., 1950	—
Mitcham, Sutton and Cheam Boroughs ; Merton and Morden U.D.C.	Ditto	Roads, sewers and surface water drainage	G. S. Faulkner & Sons, Ltd. ...	110,000	Nov., 1952	Feb., 1954
Motor Industry Research Association	Freeman, Fox & Partners...	Conversion of airfield perimeter track to high-speed test track with curves superelevated on earth embankments	Harbour & General Works, Ltd.	175,000	Feb., 1951	Mar., 1953
Deptford Creek Bridge ...	London County Council ; *J. Rawlinson*	Replacement of existing bridge by bridge 70ft wide, with dual carriageways span 70ft	Cleveland Bridge & Eng. Co., Ltd.	300,000	Mar., 1947	Dec., 1953
Joint C.C.s of Cheshire and Lancashire	Mott, Hay & Anderson ...	Construction of bridge across the River Mersey and the Manchester Ship Canal between Runcorn and Widnes	—	1,300,000	—	—
Witham U.D.C.	Pick, Everard, Keay & Gimson	Roads and sewers on Howbridge Development area	Carter & Ward	52,000	Feb., 1952	July, 1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		ROADS (*continued*)		£		
HOME						
Southampton B.C. ...	Rendel, Palmer & Tritton ...	Prestressed r.c. bridge of five spans over the River Itchen	Christiani & Nielsen, Ltd.... ...	400,000	Apr., 1952	Apr., 1954
Stevenage Development Corporation	Ditto	One 80ft span, two 30ft spans, portal framed prestressed concrete bridge across main railway line	J. Miller & Partners, Ltd.	—	June, 1952	—
West Suffolk C.C.... ...	Stirling, Lambert & Partners	Construction of r.c. bridge over river at Brandon and realignment of road	J. L. Kier & Co., Ltd.	52,000	1952	1953
ABROAD						
Cross River Bridge, Nigeria	Coode & Partners	Construction of 350ft suspension bridge and piers	Dorman Long & Co., Ltd. ...	314,000	Oct., 1952	Sept., 1955
South Gate Bridge, Baghdad	Ditto	Bridge, 1487ft long, with eight piers, abutments and approaches	Siemens Bauunion	1,272,513	July, 1953	Mar., 1956
Adhamiyah Bridge ...	Ditto	Bridge, 1037ft long, with six piers, abutments and approaches	Ditto	1,257,329	July, 1953	Nov., 1955
Auckland Harb'r Bridge, N.Z.	Freeman, Fox & Partners ...	Steel bridge over harbour with 800ft cantilever navigation span, and approach works	Not yet let	4,300,000	1953	—
Govt. of Tanganyika ...	Sir Alexander Gibb & Partners	Construction of three major trunk roads, including bridges and ancillary works	Stirling-Astaldi (East Africa); Societe Dumez	3,200,000	Oct., 1949	—
Govt. of Iraq...	Maunsell, Posford & Pavry	Construction of bridge over the Euphrates at Hindiyah	Not yet let	300,000	1954	—
		Construction of bridge over the Euphrates at Samawa	Ditto	300,000	1954	—
Gold Coast Govt.	Rendel, Palmer & Tritton ...	Weija-Winneba Road: trunk road with reinforced concrete bridges	Astaldi (Africa), Ltd.	—	Nov., 1952	Sept., 1954
		Various bridges: additional trunk road bridges...	Not yet let	800,000	1954	1955
Govt. of Sierra Leone...	Ditto	Construction of ten road bridges to replace ferries on trunk routes	Pauling & Co., Ltd.	600,000	1953	1955
Nyasaland Govt.	Scott & Wilson	80 miles of road: Blantyre Chileka Limbe-Luchenza and Limbe-Zomba	Gilbert-Ash, Ltd.	1,000,000	Dec., 1953	—
		Lilongwe–Salima road, 70 miles	Not yet let	600,000	Dec., 1956	—
		Mlange–P.E.A.B. road, 17 miles...	Ditto	300,000	Dec., 1956	—
		SITE DEVELOPMENT (*Contracts valued below* £100,000 *not included*)				
HOME						
War Department	Blyth & Blyth	Foundations, services and roads	Sir R. McAlpine & Sons, Ltd. ...	341,000	1952	1953
North Thames Gas Board	Brian Colquhoun & Partners	Complete reconstruction of tar and ammonia products works, Beckton	Sir R. McAlpine & Sons, Ltd.; Mills Packard Constr. Co., Ltd.; Sir L. Parkinson & Co., Ltd.	4,500,000	Jan., 1948	1955
Ministry of Works ...	Ditto	Construction of ordnance factory	W. E. Chivers & Sons, Ltd. ...	3,000,000	1951	1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		SITE DEVELOPMENT (*continued*)		£		
HOME						
National Coal Board, Gwendraeth Valley Dev.	Rendel, Palmer & Tritton ...	Cynheidre Project : surface layout, head gear, shaft collars and insets, workshop, stores, offices, &c.	J. Morgan (Bldrs.), Ltd.; D. I. Williams, Ltd.	100,000	1953	—
War Department	Stirling, Lambert & Partners	Construction of roads and services on heavy vehicle depot, Gloucestershire	Staverton Builders, Ltd.	290,000	1951	1953
ABROAD						
War Department	Brian Colquhoun & Partners	Construction of underground storage facilities ...	Higgs & Hill, Ltd.	500,000	Feb., 1952	1953
Little Aden Development Works — Govt. of Aden	Anglo-Iranian Oil Co.; Rendel, Palmer & Tritton	Access road causeway and bridge ; new roads, sewers, water supply and housing	G. Wimpey & Co., Ltd.	—	1953	1955
War Department Cantonment, Cyprus, Phase I	Scott & Wilson ; Binnie, Deacon & Gourley ; Iorys Hughes; Wingfield Bowles & Partners	Buildings, roads, water supply, sewerage and drainage	Sir L. Parkinson & Co., Ltd. ...	1,750,000	Nov., 1952	1954
Phase II	Iorys Hughes ; Scott & Wilson	Hospital, other buildings, roads, water supply, sewerage and drainage	Not yet let	980,000	1954	—
		STEELWORKS (*Contracts valued below* £100,000 *not included*)				
HOME						
Stewarts & Lloyds ...	W. S. Atkins & Partners ...	Reconstruction of melting shop, Bilston	Dorman Long & Co., Ltd.; Horseley Bridge & T. Piggott, Ltd.	140,000	1952	1954
Steel Co. of Wales, Ltd., Abbey Works, Stage II	Ditto	Heavy civil engineering, structural steelwork, heating and ventilation in extensions to melting shop, hot strip mill and cold mill	Sir R. McAlpine & Sons, Ltd.; Dorman Long & Co., Ltd.	4,000,000	1953	—
Steel Co. of Wales, Ltd., Velindre	Ditto	Heavy civil engineering, structural steelwork, buildings and services, heating and ventilation, new cold reduction plant	R. M. Douglas, Ltd.	4,200,000	1953	—
Samuel Fox & Co., Ltd.	Husband & Co.	New soaking pits and building	W. G. Robson, Ltd.; United Steel Structural Co., Ltd.	500,000	1951	Dec., 1953
Richard Thomas and Baldwins, Ltd.	L. G. Mouchel & Partners, Ltd.	Cold reduction mill, extensions, including heavy piling and foundations to new mill	Direct labour	—	1953	—
		STRUCTURAL AND INDUSTRIAL (*Contracts valued below* £100,000 *not included*)				
HOME						
Chesterfield Technical College	C. S. Allott & Son ; Derbyshire C.C.	Foundations and structural steelwork	Ford & Weston, Ltd.; J. Booth & Son (Bolton), Ltd.; Cementation Co., Ltd.	185,000	Aug., 1952	—
English Sewing Cotton Co., Ltd.	C. S. Allott & Son	Factory extensions	W. Thorpe & Sons, Ltd.; D. Walton & Co., Ltd.	145,000	1952	1954
Anglo-Iranian Oil Co., Ltd. ; Scottish Oils, Ltd.	Anglo-Iranian Oil Co., Ltd.	Additional pumping capacity, Finnart/Grangemouth pipeline	G. Wimpey & Co., Ltd.; Whatlings, Ltd.	125,000	July, 1953	Jan., 1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL *(continued)*		£		
HOME						
Anglo-Iranian Oil Co., Ltd.; National Oil Refineries, Ltd.	Anglo-Iranian Oil Co., Ltd.; National Oil Refineries, Ltd.	Oil refinery extensions—Llandarcy	D. C. & W. Press	3,000,000	1950	1953
Painter Bros., Ltd. ...	W. S. Atkins & Partners ...	Development of site, r.c. and steel-framed factory buildings at Hereford with extensions	G. Wimpey & Co., Ltd.; London Ferro-Concrete Co., Ltd., Wilson Lovatt & Sons, Ltd.	317,000	1951	1954
B.S.A. Co., Ltd.	Ditto	Multi-storey factory at Birmingham in prestressed concrete	C. Bryant & Sons, Ltd.	350,000	1953	—
A.P.V. Co., Ltd.	Ditto	Extensions to steel-framed factory building at Crawley, including mechanical services, heating and ventilation	James Longley & Co., Ltd.; South Durham Iron & Steel Co., Ltd.	400,000	1953	—
B.R.D. Aldridge	Ditto	Development of site, r.c. factory buildings, substations, mechanical services and plant	R. M. Douglas, Ltd.; London Ferro-Concrete Co., Ltd.	1,600,000	1952	1953
Fairfield Shipbuilding & Eng. Co., Ltd.	Babtie, Shaw & Morton ...	Construction of tracks for travelling cranes (first stage)	G. Wimpey & Co., Ltd.	104,000	May, 1953	1954
Imperial Chemical Industries Ltd. (Nobel Division)	Ditto	Storage and distribution depot near Newcastle	Sir R. McAlpine & Sons, Ltd. ...	105,000	May, 1952	1953
		Storage and distribution depot in Fifeshire ...	H. Leggat, Ltd.	105,000	May, 1952	1953
		Storage and distribution depot in Staffordshire...	Sir R. McAlpine & Sons, Ltd. ...	140,000	Nov., 1953	1954
Anglo-Iranian Oil Co., Ltd.	E. B. Badger & Sons, Ltd.	New oil refinery, Isle of Grain, Kent	E. B. Badger & Sons, Ltd.; Costain-John Brown, Ltd.; Sir R. McAlpine & Sons, Ltd.; Motherwell Bridge & Eng. Co., Ltd.; G. Wimpey & Co., Ltd.	40,000,000	July, 1950	July, 1954
Manchester Oil Refineries, Ltd.	Ditto	Petroleum topping unit and storage facilities, Manchester	E. B. Badger & Sons, Ltd.; Taylor Woodrow Constr., Ltd.	120,000	May, 1952	Feb., 1953
Philblack, Ltd.	Ditto	Gas recovery plant, Avonmouth	Ditto	100,000	Dec., 1952	July, 1953
Anglo-Iranian Oil Co., Ltd.; National Oil Refineries, Ltd.	Ditto	Vacuum unit and lubricating oil refinery units, Llandarcy, Wales	E. B. Badger & Sons, Ltd.; D. C. & W. Press, Ltd.	3,850,000	June, 1950	Oct., 1953
Associated Ethyl Co., Ltd.	Ditto	Chemical plant, Ellesmere Port	E. B. Badger & Sons, Ltd.; G. Wimpey & Co., Ltd.	1,800,000	June, 1951	Nov., 1953
Anglo-Iranian Oil Co., Ltd.	Ditto	Platformer unit, Isle of Grain, Kent	E. B. Badger & Sons, Ltd. ...	—	1954	1955
		Platformer unit, Llandarcy, Wales	Ditto	—	1954	1955
J. Crosfield & Sons, Ltd.	Ditto	Extensions to synthetic fluid catalyst plant, Warrington, Lancs.	Ditto	—	Jan., 1954	Sept., 1954
South Eastern Regional Hospital Board	Blyth & Blyth	R.C. hospital extensions	W. & J. R. Watson, Ltd.	245,000	1952	1954
Kirkcaldy T.C.	Ditto	Town hall	Thaw & Campbell; A. Fraser, Ltd.	110,000	1950	1955
National Coal Board ...	Ditto	Reconstruction of offices, surface transport, &c....	Not yet let	115,000	—	—
The Grimsby Ice Co., Ltd.	Brian Colquhoun & Partners	Extension of ice-making factory	Wilkinson & Houghton, Ltd. ...	100,000	Jan., 1952	1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Scottish Agricultural Industries, Ltd.	Crouch & Hogg	Ayr fertiliser works—reconstruction	J. Wight & Co. (Edinburgh), Ltd	130,000	1950	1953
Scotts' Shipbuilding & Eng. Co., Ltd.	Ditto	New welding shed	Glasgow Steel Roofing Co., Ltd., and others	124,000	1952	1954
		E.O.T. cranes	Sir W. Arrol & Co., Ltd.	—	—	—
City of Hull	John Dossor...	New central police station : foundations	Not yet let	250,000	1954	—
Spillers, Ltd.	Oscar Faber & Partners ...	Civil engineering work in foundations and structure for flour mill and silos at Hull	A. B. Holmes, Ltd.; P. Lind & Co., Ltd.; Franki Piling Co., Ltd.; Quibell & Co., Ltd.	600,000	—	1954
		New warehouse, silos, and extensions at Cambridge	Kidman, Ltd.; Foster & Dicksee, Ltd.; Bierrum & Ptnrs.	150,000	—	1953
Clarnico, Ltd.	Ditto	Site development, foundations and civil engineering work for new factory in London	R. Costain, Ltd.; A. B. Holmes, Ltd.; Haines & Warwick, Ltd.; Bierrum & Ptnrs.	350,000	—	1953
Corpn. of Lloyds	Ditto	Foundations and civil engineering work for new building in London	J. Mowlem & Co., Ltd.	400,000	—	1956
Royal College of Surgeons	Ditto	Foundations and civil engineering work for new building in London	Humphrys & Co., Ltd.	200,000	—	1954
British Celanese, Ltd. ...	Ditto	Foundations and civil engineering work for new factory at Wrexham	Higgs & Hill, Ltd.	1,000,000	—	1954
Siemens Bros., Ltd. ...	Ditto	Factory extensions at Woolwich	Greenaway & Son, Ltd.	110,000	—	1953
Ballito Hosiery Mills, Ltd.	Ditto	Extension of premises at St. Albans	C. R. Price, Ltd.	127,000	—	1953
Associated Portland Cement Manufacturers Ltd.	Ditto	Extension at Widnes, Lancs	Sir A. McAlpine & Son, Ltd. ...	100,000	1953	—
		New depot at Hurlingham Wharf, London ..	J. Mowlem & Co., Ltd.	137,000	1953	—
		Extension of Hope Works, Derbyshire	Sir A. McAlpine & Son, Ltd.; J. L. Kier & Co., Ltd.; Redpath, Brown & Co., Ltd.	260,000	—	1953
		Extension of works at Magheramorne, N. Ireland	Farrans, Ltd.; McLaughlin & Harvey, Ltd.	120,000	Nov., 1952	—
Associated Portland Cement Manufacturers Ltd.	Sandford Fawcett & Partners	Extensions to Magheramorne Works	Farrans, Ltd.	110,000	1952	1954
Plashet School, East Ham	R. F. Galbraith	Foundations, prestressed retaining walls, precast structural frame, &c.	B. Sunley & Sons, Ltd.	110,000	June, 1952	1953
Bucks C.C., High Wycombe	Ditto	High school : foundations, retaining walls, welded structural frame, &c.	Not yet let	105,000	Mar., 1954	—
Bakelite, Ltd....	Sir Alexander Gibb & Partners	Site development and civil engineering works for vinyl resin production at Aycliffe	Higgs & Hill, Ltd., and others ...	375,000	Apr., 1951	Sept., 1953
W. & T. Avery, Ltd. ...	Ditto	Construction of new foundry on Walsall factory estate	Sir A. McAlpine & Son, Ltd. ...	750,000	Apr., 1951	—
English Electric Co., Ltd.	Ditto	Site development, civil engineering and building works for new factory at Netherton	W. Moss & Sons, Ltd.; Tees Side Bridge & Eng. Works, Ltd.	2,750,000	Sept., 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
National Coal Board, W. Midlands Division	Sir Alexander Gibb & Partners	Foundations, buildings and ancillary works for new colliery at Lea Hall	Sir A. McAlpine & Son, Ltd.; J. L. Kier & Co., Ltd.; others not yet let	2,300,000	Feb., 1953	—
Midland Rollmakers, Ltd.	Ditto	Extension of machine shop at Crewe	Not yet let	267,500	Mar., 1954	—
Manchester University & D.S.I.R.	Husband & Co.	Radio telescope	United Steel Structural Co., Ltd.; W. J. Whittall & Sons, Ltd.	400,000	1952	1954
National Coal Board ...	Ditto	Central coal preparation plant, Manvers Main, Yorks	Colliery Eng. Co., Ltd.; J. L. Kier & Co., Ltd.	2,000,000	1952	1954
		Coal preparation plant, New Stubbin Colliery, Yorks	—	300,000	1953	1954
British Iron and Steel Research Association	Ditto	New research establishment, Sheffield...	G. Longden & Sons, Ltd.	350,000	1949	Nov., 1953
National Glass Works (York), Ltd.	Ditto	Factory extensions	F. Shepherd & Sons, Ltd.	250,000	1950	1954
Vickers-Armstrongs, Ltd.	R. T. James and Partners ...	New engineering workshop at Barrow-in-Furness	Sir A. McAlpine & Son, Ltd.; J. Smith (Keighley), Ltd.; Brightside Foundry & Eng. Co., Ltd.	500,000	1951	1953
Anglo-Iranian Oil Co., Ltd.; Scottish Oils, Ltd.	M. W. Kellogg Co., Ltd.; Kellogg Int. Corpn.	Grangemouth refinery extensions...	Power Gas Corpn., Ltd.; Foster-Wheeler, Ltd.; Kellogg Int. Corpn.; Costain, John Brown, Ltd.	815,000	Aug., 1952	July, 1954
Scottish Gas Board ...	F. A. Macdonald & Partners	Foundations and structures for new carburetted water gas purifier, exhauster plant and ancillary plant	Fram Reinforced Concrete Co. (Scotland), Ltd.; Shanks & McEwan, Ltd.	116,000	1951	1953
Richard Gwyn School ...	John C. Maxwell-Cook ...	Precast and prestressed composite r.c. structure...	A. N. Coles & Co., Ltd.	135,000	Sept., 1952	Mar., 1954
Associated Ethyl Co., Ltd.	Maunsell, Posford & Pavry; Sir Alexander Gibb & Partners	Construction of new factory at Ellesmere Port, Cheshire	G. Wimpey & Co., Ltd.	6,000,000	1951	1955
		Construction of new factory at Amlwch, Anglesey	Marples Ridgway & Ptnrs., Ltd.	2,400,000	1951	1953
Vacuum Oil Co., Ltd. ...	Ditto	Construction of bulk storage and distribution terminals	Purdie Lumsden & Co., Ltd., and others	175,000	1952	—
National Coal Board ...	Maunsell, Posford & Pavry	Construction of central engineering establishment at Bretby	Not yet let	1,000,000	1954	—
Doulton & Co., Ltd. ...	Ditto	Extensions to factory at Tamworth	J. R. Deacon, Ltd., and others...	100,000	1951	1953
Joseph Rank, Ltd. ...	L. G. Mouchel & Partners, Ltd.	Mill building, garages, offices and grain silo, Leith	Holloway Bros. (London), Ltd....	1,061,000	Sept., 1950	1954
Bristol University	Ditto	School of Engineering extensions...	Not yet let	—	—	—
Bolands, Ltd....	Ditto	7000-ton r.c. grain silo	Ditto	120,000	Dec., 1953	1954
J. Rank (Ireland), Ltd....	Ditto	15,000-ton r.c. grain silo	Ditto	140,000	Dec., 1953	1954
Spillers, Ltd.	Ditto	Reconstruction of Millennium Mill, Victoria Dock, London	Holloway Bros. (London), Ltd....	750,000	1951	1953
Tate & Lyle, Ltd.	Ditto	Piling and heavy foundation work at Plaistow Wharf, London	J. Mowlem & Son, Ltd.	150,000	1951	1953
		R.C. cladding of recovery house	M. J. Gleeson (Contrs.), Ltd. ...	160,000	Oct., 1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Ministry of Commerce (Ireland)	Ernest Reid	Factory at Carnmoney	Not yet let	200,000	1954	1955
Berkshire C.C.	Felix J. Samuely	Technical college at Langley	Ditto	150,000	1954	—
Warwickshire C.C. ...	Ditto	Grammar school at Coleshill	Ditto	100,000	1954	—
National Dock Labour Board	Ditto	R.C. office block, Albert Embankment	Ditto	150,000	1954	—
Silentbloc, Ltd.	Ditto	Factory at Crawley ; r.c. foundations with structural steel frame	F. G. Minter, Ltd.	200,000	1953	1954
Wigan B.C.	Ditto	Technical school and college of further education	L. Fairclough, Ltd.	400,000	1950	1953
L.C.C.	Ditto	R.C. flats at Hackney	Not yet let	500,000	1954	—
Salters Co.	Ditto	R.C. office block in City of London	Ditto	500,000	1954	—
L.C.C	Ditto	Comprehensive high school, Chiswick	Gleeson, Ltd. (foundations) ...	600,000	1953	1955
Hertfordshire C.C. ...	Ditto	Technical school at Hatfield	Gilbert-Ash, Ltd.	200,000	1951	1953
L.C.C.	Ditto	Comprehensive high school, Woodberry Down ..	Kirk & Kirk, Ltd.	500,000	1950	1954
Colodense, Ltd.	Ditto	R.C. factory for Cellophane processing	Holland & Hannen and Cubitts, Ltd.	366,000	1949	1953
British Nylon Spinners, Ltd.	Scott & Wilson	Main factory extensions ; building, drainage and road works	Sir R. McAlpine & Sons, Ltd....	900,000	Mar., 1951	July, 1953
		Offices and research blocks	Ditto	410,000	Dec., 1952	Dec., 1953
Westminster C.C.	Ditto	Pimlico Housing Estate, Stage II...	Gee, Walker & Slater, Ltd.; others not yet let	475,000	Jan., 1952	Feb., 1955
Owen Owen, Ltd.	Ditto	R.C. structure and foundations of department store, Broadgate, Coventry	Bovis, Ltd.	650,000	Jan., 1951	May, 1954
Chislehurst and Sidcup...	Ditto	County grammar school	Kent & Sussex Contrs., Ltd. ...	182,000	Dec., 1951	Dec., 1953
Kingston-upon-Hull ...	Ditto	Technical college, workshop block, Phase I ...	W. Moss & Son, Ltd....	323,000	June, 1953	June, 1955
Liverpool Corn Exchange	Ditto	Rebuilding Corn Exchange	Tysons (Contrs.), Ltd.; others not yet let	200,000	Jan., 1953	June, 1954
Kent C.C.	Ditto	Broadstairs secondary school	W. W. Martin (Thanet), Ltd. ...	100,000	Apr., 1953	June, 1955
Worcestershire C.C. ...	Ditto	College of further education, Stourbridge	Not yet let	—	1954	—
John Mackintosh & Sons, Ltd.	Frederick S. Snow & Partners	New factory, Norwich ; raft and piled foundation, steel and concrete-framed building	J. Youngs & Son, Ltd.	800,000	1947	1956
University of Cambridge Building Syndicate	Ditto	New school of veterinary medicine	W. Sindall	250,000	1950	1954
Thames Board Mills, Ltd.	Ditto	Extension to Board Mills, Warrington ; piled foundation and steel frame	A. E. Symes, Ltd.	1,200,000	1950	1954
Hastings B.C....	Ditto	New factory for L.P.S. (Electrical), Ltd.; r.c. framed building	Llewellyns (Hastings), Ltd. ...	200,000	1953	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
HOME						
Clifton Catholic Diocesan Trustees	Frederick S. Snow & Partners	New r.c. framed school	J. Knox (Bristol), Ltd.; Costain Concrete Co., Ltd.	140,000	1953	1954
John Mackintosh & Sons, Ltd.	Ditto	R.C. framed administration block	Net yet let	165,000	1954	1956
Daily News, Ltd.	Ditto	Office : deep basement heavy foundations and steel-framed building	Trollope & Colls, Ltd.	200,000	1950	1954
Lloyds Bank, Exeter ..	Leslie Turner & Partners ...	Rebuilding after war damage	M. T. Sleeman & Sons ; W. T. Nicholls, Ltd.	250,000	1951	1953
Middlesex C.C.: Hillingdon	Ditto	Foundations, structural frame, floors and roof, Sutton Court School	W. S. Try, Ltd.	240,000	1950	1953
ABROAD						
Condor S.p.A. per l'Industria Petrolifera e Chimica	E. B. Badger & Sons, Ltd....	New oil refinery, Milan, Italy	E. B. Badger & Sons, Ltd., Sartori	3,100,000	Dec., 1951	June, 1953
Stanic Industria Petrolifera	Ditto	Phenol treating and propane dewaxing, Leghorn, Italy	Ditto	—	Nov., 1952	Aug., 1953
Societe Anonima Raffineria Padana Oli Minerali	Ditto	Extensions to oil refinery, San Martino, Italy ...	E. B. Badger & Sons, Ltd.... ...	—	1954	1955
Societe Generale des Huiles de Petrole B.P.	Ditto	Platformer unit, Lavera, France	Ditto	—	1954	1954
Anglo-Iranian Oil Co., Ltd.	Anglo-Iranian Oil Co., Ltd.	Furfural unit, Neuhof, Germany	Ditto	—	1954	1955
Municipality of Salisbury Southern Rhodesia	Brian Colquhoun & Partners	Blocks of multi-storey flats	N. Jamieson, Ltd.	2,500,000	1951	1953
South African National Life Assurance Co., Ltd	Ditto	Multi-storey office block	R. Costain, Ltd.	1,000,000	1951	1953
Municipality of Vereeniging, Transvaal	Ditto	Design and construction of abattoir	—	300,000	Feb., 1952	1953
Municipality of Durban	Ditto	Design and construction of abattoir	—	250,000	1952	1954
Municipality of Odendaalsrus	Ditto	Design and construction of abattoir	—	100,000	1952	1953
University College of Gold Coast	Oscar Faber & Partners ...	R.C. structure for new university building	G. Wimpey & Co., Ltd.; G. Watson & Co., Ltd.	5,000,000	—	1956
Anglo-Iranian Oil Co., Ltd.	M. W. Kellogg Co., Ltd.; Kellogg Int. Corpn.	New oil refinery, Kwinana, W. Australia	Kellogg Int. Corpn.; Costain-John Brown ; D. C. & W. Press ; Kinnear Moodie, Ltd.	33,500,000	Nov., 1952	May, 1955
	Bechtel Int. Corpn.	New 5,000,000 T.P.A. oil refinery at Aden... ...	Consortium of Middle East, Bechtel Corpn. & G. Wimpey, Ltd.	—	Nov., 1952	Dec., 1954
Govt. of Iraq...	Maunsell, Posford & Pavry ; Sir Alexander Gibb & Partners	Construction of new oil refinery at Baghdad ...	D. C. & W. Press, Ltd.	1,500,000	1952	—
Shell Co. of West Africa, Ltd.	M. Nachshen	R.C. office building at Lagos, Nigeria	Borini-Prono & Co. (Nigeria), Ltd.	180,000	1953	1955
Chilanga Cement Works	Henry Pooley	Extension of cement works to total production of 165,000 tons per annum and 8MW power station	—	140,000	1953	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		STRUCTURAL AND INDUSTRIAL (*continued*)		£		
ABROAD						
Govt. of United Provinces, Nr. Mirzapur, India	Henry Pooley	Complete cement works to produce 235,000 tons per annum, with 7·2MW power station	Engineering Constr. Corpn. ...	350,000	1951	—
Shimshon Palestine Portland Cement Works, Ltd., Hartuv, Israel	Ditto	Complete cement works to produce 250,000 tons per annum, with 7·3MW power station	Solel Boneh, Ltd.	700,000	1949	1953
Doha State Hospital: Govt. of Qatar	Scott & Wilson	Steel-framed hospital and associated buildings ...	Not yet let	1,000,000	Early 1954	—
		WATER SUPPLY				
HOME						
Nelsons Silk, Ltd.	W. S. Atkins & Partners ...	Pumping and purification equipment, filter house, and development at site	J. Thompson-Kennicott, Ltd. ...	80,000	1952	1953
Dumbarton T.C.: pumping scheme from Loch Lomond	Babtie, Shaw & Morton ...	8 miles, 21in main intake works, pumping station and ancillary works	Stewarts & Lloyds, Ltd.; Stanton Ironworks Co., Ltd.; J. Drysdale & Co., Ltd., Yoker; others not yet let	350,000	1953	1954
Grangemouth T.C. ...	Ditto	3,000,000 gallon storage tank and ancillary works	Melville, Dundas & Whitson, Ltd., and others	90,000	1951	1953
Greenock T.C.: Whinhill Filter Station	Ditto	Filtration plant	Bell Bros. (Manchester, 1927), Ltd.	110,000	1953	1956
Irvine & District Water Board	Ditto	3 miles 21in main and ancillary works	J. Drysdale & Co., Ltd.	86,000	1953	1954
Kilmarnock T.C.	Ditto	Catchwater pipe, 1½ miles, 30in dia. and extensions at Craigendunton reservoir	J. Miller & Partners, Ltd.	95,000	1952	1954
Perth and Clackmannan C.C.: Loch Turret Scheme	Ditto	Reservoir at Loch Turret, 38 miles trunk mains, 36in to 15in, and other works	Not yet let	1,850,000	1951	—
		Supply of pipes	Stewarts & Lloyds, Ltd.; Stanton Ironworks Co., Ltd.			
Ross & Cromarty C.C.: Loch Glass Scheme	Ditto	Supply of pipes	Turners Asbestos Cement Co., Ltd.; Cochranes (Middlesbro') Ltd.	115,000	1951	—
		Headworks at Loch Glass, filter station trunk mains, storage tanks, distribution piping	W. Tawse, Ltd.; others not yet let	385,000	1952	—
Sutherland C.C.: Kinlochbervie	Ditto	Rural water supply	A. Sutherland, Ltd.	75,000	1952	1954
Doncaster & Tickhill Joint Water Board	D. Balfour & Sons	Reservoir extensions, bore-hole, pumping main, &c.	Not yet let	500,000	1954	—
Hertford R.D.C.	Ditto	Supply mains and water tower	F. Hickman & Co., Ltd.	83,500	June, 1953	—
Hitchin R.D.C.	Ditto	Supply mains and water towers	E. Thompson, Ltd.	100,000	Feb., 1953	—
Stevenage Development Corpn.	Ditto	2 m.g. reservoir	W. Moss & Sons, Ltd.	56,000	June, 1950	Jan., 1953
		½ m.g. water tower and 2 m.g. reservoir extension	Not yet let	100,000	1954	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Mourne Scheme	Belfast City & District Water Commissioners	Bow Lough siphon triplication, 2¼ miles 39in dia. steel pipes, bitumen sheathed and lined	McLaughlin & Harvey, Ltd.; South Durham Steel & Iron Co., Ltd.	120,000	Oct., 1951	July, 1953
		Ballynahinch siphon triplication, 1¾ miles 39in dia. steel pipes, bitumen sheathed and lined	Ditto	97,000	Sept., 1952	Nov., 1953
		Newcastle siphon triplication, 3¾ miles 39in dia. steel pipes, bitumen sheathed and lined	Farrans, Ltd.; South Durham Steel & Iron Co., Ltd.	163,000	Aug., 1953	Oct., 1954
Ditto	Binnie, Deacon & Gourley	Upper Silent Valley reservoir: concrete gravity dam, 700ft long, 120ft high; 1750 m.g. capacity	C. Brand & Son, Ltd.	643,000	1953	—
Knockbreda Road Trunk Main	Belfast City & District Water Commissioners	2¾ miles 30¾in dia. steel pipes, bitumen sheathed and lined	Farrans, Ltd.; Stewarts & Lloyds, Ltd.	108,500	Aug., 1952	Dec., 1953
Knock Road	Ditto	18in dia. cast iron main	Direct labour	120,000	Sept., 1953	July, 1954
Whiterock Pumping Scheme	Ditto	1 m.g. and ¾ m.g. concrete covered reservoirs and pumping station	Harding & Harding, Ltd.	65,000	May, 1951	June, 1953
Whiteabbey Works ...	Ditto	6 m.g. and 1 m.g. concrete covered reservoirs, pumping station, micro-straining and chlorination plant	Not yet let	190,000	1954	1956
Birmingham Corpn. Water Department	Birmingham Corpn. Water Department	Supply of steel pipes for Elan aqueduct and trunk mains	Clayton, Son & Co., Ltd.	320,000	Oct., 1949	—
		Rapid gravity filters at Frankley treatment works	Direct labour	60,000	July, 1948	1953
		Laying 1700 yards 24in dia. trunk main	Whittaker Ellis, Ltd.	24,000	June, 1952	1953
		Supply of 42in dia. steel pipes	Clayton, Son & Co., Ltd.	35,000	Jan., 1952	1953
		Elan aqueduct, fourth main: third to seventh instalments, laying 60in dia. concrete-lined steel pipes, totalling about ten miles	Direct labour	465,000	June, 1951	1956
Brackley R.D.C.	Binnie, Deacon & Gourley	Asbestos cement pipes and spun iron pipes ...	Turners Asbestos Cement Co., Ltd.; Stanton Ironworks Co., Ltd.	95,000	1949	1953
		Pipelaying: 6 miles spun iron, 10in-12in; 70 miles asbestos cement, 10in-3in dia.	Kottler & Heron, Ltd.	108,000	1950	1953
Bucks Water Board ...	Ditto	Steel and spun iron pipes	Stanton Ironworks Co., Ltd.; Stewarts & Lloyds, Ltd.	98,000	1948	1953
		Pipelaying: 11 miles spun iron, 18in-12in dia.; 13 miles steel, 10in dia.	Bridgewater Bros.	56,500	1949	1953
Blyth R.D.C.: Southern and Northern Regional Schemes	Ditto	Asbestos cement pipes	Turners Asbestos Cement Co., Ltd.	127,000	1951	—
		Pipelaying, 43½ miles, 10in-3in dia.	E. Thompson, Ltd.	76,000	1952	—
		Five water towers	W. Ames, Ltd.	77,000	1952	—
		Pipelaying, 87 miles, 3in-14in dia...	Ditto	122,000	1953	—
Bedford R.D.C.	Ditto	Asbestos cement pipes	Turners Asbestos Cement Co., Ltd.	66,000	1950	1953
		Pipelaying: 41 miles, 12in-4in; pumping and booster station buildings	Roads & Sewers, Ltd.	113,000	1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Caithness C.C. Regional Water Scheme	Binnie, Deacon & Gourley	Spun iron pipes	Cochranes (Middlesbro'), Ltd. ...	288,000	1950	—
		Hoy hydro-electric pumping station	J. McAdam & Sons, Ltd.	140,000	1951	—
		Pipelaying : 50 miles, 4in-10in dia. spun iron ...	S. B. Russell & Co., Ltd.	81,000	1952	—
		Stemster Hill r.c. reservoir, 1 m.g. capacity	A. Sutherland, Ltd.	50,000	1953	—
		Pipelaying : 52 miles, 4in-6in dia. spun iron ...	Ditto	65,000	1953	—
Dee & Clwyd River Board : Bala Lake Scheme	Ditto	Outlet works and control sluices ; new channels and five-span r.c. bridge	J. Laing & Son, Ltd.	486,000	1953	—
Daer Water Board : Daer Scheme	Ditto	Impounding reservoir : earthen dam, 135ft high, ½ mile long capacity 5300 m.g.	Direct labour	1,727,000	1948	—
		Steel pipes	Stewarts & Lloyds, Ltd.	1,012,000	1949	—
		Water treatment plant	United Filters & Eng., Ltd. ...	87,000	1949	—
		Pipelaying : pipeline No. 1	Hugh Leggat, Ltd.	188,000	1950	—
		Pipeline No. 2	Crowley Russell & Co., Ltd. ...	185,000	1951	—
		Pipelines Nos. 3–6	McCracken & Co., Ltd.	234,000	1951	—
Harlow Development Corpn.	Ditto	Covered service reservoir, 4 m.g.	W. & C. French, Ltd.	75,000	1951	1953
		Spun iron pipes	Stanton Ironworks Co., Ltd. ...	61,000	1952	—
		Steel pipes	Stewarts & Lloyds, Ltd.	80,000	1952	—
		Pipelaying : 7 miles 18in dia.	W. & C. French, Ltd.	60,000	1953	—
		Pipelaying, three pumping stations and balancing tank	G. Wimpey & Co., Ltd.	100,000	1953	—
Luton Water Company...	Ditto	Cast iron pipes	Stanton Ironworks Co., Ltd.; Cochranes (Middlesbro'), Foundry, Ltd.	60,000	1950	1953
Metropolitan Water Board	Ditto	Hornsey works : contact tank, pump-house and chemical buildings	R. G. Horton, Ltd.	115,000	1951	1953
		Stoke Newington : contact tank, pump-house and chemical buildings	Ditto	290,000	1951	—
Swansea Corporation : Usk Scheme	Ditto	Earthen dam, 1400ft long, 110ft high ; capacity 2715 m.g.	R. Costain, Ltd.	1,100,000	1949	—
		Steel pipes...	Stewarts & Lloyds, Ltd.	422,000	1949	—
		Treatment plant equipment	Permutit Co., Ltd.	52,000	1950	—
		Pipelaying...	R. Costain, Ltd.	597,000	1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Swansea Corporation: Usk Scheme	Binnie, Deacon & Gourley	Treatment plant at Bryn Gwyn and break pressure tank at Craig Fawr	R. Costain, Ltd.	289,000	1952	—
Spilsby R.D.C.: Driby Scheme	Ditto	Pipes, valves and fittings	Turners Asbestos Cement Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.	52,000	1953	—
Taf Fechan Water Supply Board	Ditto	Extension of filter-house and filtration plant ...	J. E. Jones & Co., Ltd.; Paterson Eng. Co., Ltd.	141,000	1950	1953
Hanningfield Water Joint Managing Committee (Hanningfield Scheme)	Binnie, Deacon & Gourley; T. & C. Hawksley	Reservoir: earth embankment, 2300 yards long, 68ft high, and ancillary works, capacity 6000 m.g.	W. & C. French, Ltd.	2,100,000	1952	—
		Construction of aqueduct No. 4, 48in steel pipes, 9 miles	Ditto	566,000	1952	—
		Supply of 48in dia. bitumen-lined sheathed steel pipes	Stewarts & Lloyds Ltd.	200,000	1952	—
		Earth embankment, 600 yards long, 35ft high, road diversions and marginal embankments, 32 m.g.d. pumping station	W. & C. French, Ltd.	390,000	1953	—
Coventry Corporation: River Severn Scheme	Binnie, Deacon & Gourley; Herbert Lapworth Partners	Pipelaying: 27in and 30in dia. steel main with Johnson couplings, 15 miles	Butterley Co., Ltd.	101,000	1948	1953
		Pipelaying: 27in dia. steel main with Johnson couplings, 16 miles	T. Bugbird & Son, Ltd.	115,000	1948	1953
		Water treatment and pumping plant at Strensham and Upton	Candy Filter Co., Ltd.; Sulzer Bros., Ltd.	94,000	1949	1953
		Treatment works, pumping station and contact tank at Strensham	Hadsphaltic Constr. Co.	230,000	1950	1953
Birkenhead Corpn. ...	Birkenhead Corpn. Water Department	Distribution mains, 2in to 12in dia.	Direct labour	70,260	1952	—
		Alwen Aqueduct duplication...	Not yet let	315,000	1954	—
Birkenhead and Wallasey Corpns.	Sir Alexander Gibb & Partners	River Dee scheme (7 m.g.d.), intake, pumping stations, filtration plant and pipelines	Ditto	671,000	1954	—
Zetland C.C.	Blyth & Blyth	Asbestos cement pipes, intakes, service reservoirs, filtration plant, &c.	Direct labour; A. Robertson & Co., Ltd.	272,000	1951	1955
Northallerton R.D.C. ...	Arnold Brooksbank	Rural distribution scheme: 80 miles of water mains, service reservoirs, water tower and pumping plant	Chester & McLauchlan, Ltd.; Stanton Ironworks Co., Ltd.; H. Hirst & Sons; W. Birch & Sons	300,000	1951	1953
Clitheroe R.D.C.	Ditto	Rural distribution scheme: water mains, service reservoir and pumping plant	Chester & McLauchlan, Ltd.; Stanton Ironworks Co., Ltd.	64,000	1951	1953
Helmsley R.D.C.	Ditto	Distribution scheme, 20 miles of water mains, service reservoirs and pumping plant	—	82,000	Jan., 1953	1954
Richmond R.D.C.... ...	Ditto	Regional water scheme	Not yet let	240,000	Feb., 1954	Dec., 1955
Bowland R.D.C.	Ditto	Regional water scheme	Ditto	185 000	—	—
Beccles Corpn: Lothingland and Wainford R.D.C.s	A. P. I. Cotterell & Son ...	Regional water supply scheme	Turners Asbestos Cement Co., Ltd.; E. Thompson, Ltd.; W. Ames, Ltd.	390,000	June, 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Depwade R.D.C.	A. P. I. Cotterell & Son ...	Regional water supply scheme	E. Thompson, Ltd.; Vibrated Concrete Constr. Co., Ltd.; Grocock & Day	587,000	1948	—
Walsingham R.D.C. ...	Ditto	Regional water supply scheme	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; W. Ames, Ltd.	413,000	Oct., 1949	—
Warminster & Westbury R.D.C.	Ditto	Regional water supply scheme	W. E. Chivers & Sons, Ltd. ...	267,000	—	—
Wayland R.D.C.	Ditto	Regional water supply scheme	Staveley Iron & Chemical Co., Ltd.; H. Pointer (Norwich), Ltd.; direct labour	326,000	Mar., 1947	—
Coventry Corpn. Water Undertaking: Reorganisation of trunk mains system	Coventry Corpn. Water Undertaking	Pipelaying: Allesley by-pass and south pipeline scheme (part): 18in steel main, 3½ miles; 16in spun iron, 3 miles	Direct labour; South Durham Steel & Iron Company and Stanton Ironworks Company, Ltd.	101,300	1953	1953
Kincardine C.C.	Crouch & Hogg	17¼ miles 12in to 4in mains; 200,000-gall. r.c. tank	L. Middleton, Ltd.; A. D. Mitchell & Sons	80,000	Dec., 1951	1954
Largs T.C.	Ditto	650,000-gall. r.c. tank, access road and piping, 0·75 m.g.d. rapid gravity filtration plant	Baird Bros. (Port Glasgow), Ltd.; A. Skelton, Ltd.; Permutit Co., Ltd.	60,000	June, 1951	1954
Wigtown C.C.	Ditto	Penwhirn Burn dam; 4½ miles 24in dia. main ...	Holland & Hannen and Cubitts (Scotland), Ltd.	250,000	Aug., 1950	1954
		13 miles 18in, 6¼ miles 12in, 16 miles 6in mains; 150,000-gall. r.c. tank	Kings & Co., Ltd.	575,000	1951	1954
		1 m.g.d. rapid gravity filtration plant	Holland & Hannen and Cubitts (Scotland), Ltd.; Permutit Co., Ltd.	75,000	1953	1954
Orkney C.C.	Ditto	18 miles 6in, 4in and 3in dia. mains	Direct labour	50,000	Oct., 1952	1954
Corpn. of Dundee... ...	Dundee Corpn. Waterworks	Laying 40in dia. steel main with ancillary works, from Lintrathen Loch to Clatto reservoir	Direct labour; Stewarts & Lloyds; Glenfield & Kennedy	538,500	Oct., 1951	1956
		500,000-gall. water tower at Gallowhill...	C. Dick & Son	45,000	Aug., 1953	1954
Durham County Water Board	Durham County Water Board	Extensions to mains, pumping and water treatment plant, covering service reservoirs	Direct labour	225,000	1951	—
Rosebery Filtration Wks.	Edinburgh Corpn. Water Department	Filtration works, capacity 3 m.g.d.; 2 m.g. clear water tank; micro-straining plant and ancillary works	J. White (Contrs.), Ltd.; direct labour	116,000	Feb., 1950	Apr., 1953
Regional East Main ...	Ditto	10,000 yards of 15in dia. main	Direct labour; Cochranes (Middlesbro'), Ltd.	70,000	Oct., 1951	Mar., 1953
		4 m.g. service reservoir and ancillary works ...	H. B. Kerr & Son, Ltd.	65,000	June, 1949	Feb., 1953
Fairmilehead Filters ...	Ditto	Micro-straining plant, capacity 18 m.g.d., with ancillary piping and other works	J. White (Contractors), Ltd.; Glenfield & Kennedy, Ltd.	64,000	Apr., 1953	1954
Western Main	Ditto	1430 yards 20in dia., 1600 yards 18in dia., 3400 yards 16in dia. main	Direct labour; Stanton Ironworks Co., Ltd.; Staveley Iron & Chemical Co., Ltd.	55,000	May, 1954	1955
Belper R.D.C.	Elliott & Brown	25 miles spun iron mains, 12in to 3in, and 1 m.g. reservoirs	Cawood Wharton & Co.; Stanton Ironworks Co., Ltd.	132,000	Nov., 1950	1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
West Kesteven R.D.C.	Elliott & Brown	Mains, 12in to 3in, in various parishes	Pawson & Co.; Stanton Ironworks Co., Ltd.; Tolfree & Co., Ltd.	78,000	1953	1954
Melford R.D.C.	Ditto	Central area water schemes	Grocock & Day; Cubitt & Gotts	57,000	1952	1954
Stafford R.D.C.	Ditto	Western area water scheme	Not yet let	275,000	1954	—
		Eastern area water scheme	Ditto	115,000	—	—
Forehoe & Henstead R.D.C.	Ditto	Regional water supply scheme	E. Thompson, Ltd.; A. J. Holloway, Ltd.	68,600	Nov., 1953	1954
White Hill Service Reservoir	Fife C.C.; *C. Huddleston*	3½ m.g. mass concrete service reservoir, with stone facing	Jackson (Edinburgh), Ltd.	57,209	Jan., 1954	1956
Hodder Aqueduct	Fylde Water Board	Second line of aqueduct, third and fourth sections, 7½ miles, 36in and 5 miles 33in concrete-lined cast iron pipes	Direct labour	671,000	June, 1952	1955
		Extension to Warbreck, 6¼ miles, 24in concrete-lined spun iron pipes	Ditto	191,000	Feb., 1953	1954
		Hodder filters, additional 26 mechanical pressure filters	Bell Bros. (Manchester, 1927), Ltd.	60,000	1954	1955
Nantyglo and Blaina U.D.C.	Sir Alexander Gibb & Partners	Construction of reservoir and distribution mains	Davies Middleton & Davies, Ltd.	60,000	Mar., 1952	—
Glasgow Corpn. Water Department	Glasgow Corpn. Water Department; *S. Canvin*	West Main works: 14,520 yards 36in main	Whatlings, Ltd.; J. Miller & Partners	227,000	Mar., 1951	Mar., 1954
		Endrick Valley siphon pipe	McKean & Co. (Glasgow), Ltd.	62,000	Dec., 1952	Mar., 1953
		Blane Valley siphon pipe	James Miller & Partners	25,000	Oct., 1952	July, 1954
		Supply of cast iron and steel pipes and valves	Staveley Iron & Chemical Co., Ltd.; Stewarts & Lloyds, Ltd.; Glenfield & Kennedy, Ltd.	407,000	1948	1954
Ditto	Mott, Hay & Anderson	Two shafts and tunnel under River Clyde	Kinnear, Moodie & Co., Ltd.	380,000	Oct., 1953	Apr., 1955
Ditto	Glasgow Corpn. Water Department; *S. Canvin*; F. A. Macdonald & Partners	Service reservoirs and water towers	Holst & Co., Ltd.; Fram Reinforced Co. (Scotland) Ltd.; Drummond, Lithgow & Co., Ltd.	158,000	Apr., 1951	July, 1954
Pocklington R.D.C.	John H. Haiste & Partners	Service reservoirs and mains	H. O. Andrews, Ltd.; Grocock & Day; J. Duncan & Co., Ltd.	105,000	1949	1954
Howden R.D.C.	Ditto	Bore-hole, water main and water tower	Grocock & Day; F. Hall & Sons, Ltd.; Turners Asbestos Cement Co., Ltd.	72,000	1950	1954
Borough of Louth	Ditto	Bore-holes, pumping station and treatment plant	Sulzer Bros.; F. Smith & Son, Ltd.; others not yet let	96,000	1951	—
Louth R.D.C.	Ditto	Pumping stations, reservoirs and mains	Grocock & Day; H. O. Andrews, Ltd.; G. E. Atkin; Tock & Smith, Ltd.; others not yet let	750,000	1949	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Horncastle R.D.C. ...	John H. Haiste & Partners...	Service reservoirs and mains...	Tock & Smith, Ltd.; Turners Asbestos Cement Co., Ltd.; Stanton Ironworks Co., Ltd.; others not yet let	505,000	1950	—
Caistor R.D.C.	Ditto	Service reservoirs, pumping stations and mains...	W. Wilson & Sons (Newcastle), Ltd.; G. Sayner; Stanton Ironworks Co., Ltd.	160,000	1948	1954
East Retford R.D.C. ...	Ditto	Trunk mains	Squire W. Swift, Ltd.; Stanton Ironworks Co., Ltd.; Sulzer Bros.	75,000	1953	1954
Metropolitan Water Board	Sir William Halcrow & Partners	Raw water main, 20 miles long, Hampton to Chingford	Not yet let	5,000,000	May, 1954	1958
St. Thomas R.D.C. ...	Harvey, McGill & Hayes ...	45 miles water mains, 12in–3in, five service reservoirs, 1·13 m.g. total capacity	Exeter Bldg. Contrs., Ltd.	217,000	June, 1951	1954
Bristol Waterworks Co.	T. & C. Hawksley; A. Paterson	Chew Valley scheme: Chew Stoke reservoir ...	A. E. Farr, Ltd.	698,365	1950	1954
Llanelly Corpn.	T. & C. Hawksley	Towy Water: 21in steel pipeline...	G. Wimpey & Co., Ltd.; Stewarts & Lloyds, Ltd.	222,000	1952	1953
		Pumping station	R. M. Douglas (Contrs.), Ltd	85,000	1952	1953
Mid - Northamptonshire Water Board	Ditto	Pitsford reservoir	Sir A. McAlpine & Son, Ltd. ...	690,000	1952	1957
Wadebridge R.D.C. ...	Ditto	Gravitation supply from River De Lank; intake, pipelines and reservoir	R. Costain, Ltd.; Stanton Ironworks Co.; Stewarts & Lloyds; Guest & Chrimes, Ltd.	450,000	1953	1955
South Staffordshire Waterworks Co.	G. H. Hill & Sons (Manchester)	Blithfield impounding reservoir	J. Mowlem & Co., Ltd.	850,000	1947	1953
Huddersfield Corpn. ...	Ditto	Digley impounding reservoir...	Lehane, Mackenzie & Shand, Ltd.	750,000	1946	1953
Staffordshire Potteries Water Board: Peckforton Scheme	Ditto	Bore-holes	E. Timmings & Sons, Ltd.; J. Thom, Ltd.; G. Stow & Co.	153,500	1947	1953
		Service reservoir	G. P. Trentham, Ltd....	96,000	1949	1953
		Pumping plant...	W. H. Allen & Co., Ltd.	230,000	1951	—
Congleton Corpn.... ...	Ditto	Pumping station, pumping and treatment plant...	G. P. Trentham, Ltd., and others	53,000	1951	1953
West Cheshire Water Board	Ditto	River Dee supply: pipelines	R. G. Horton (Engrs.), Ltd.; Preload (Gt. Brit.), Ltd.; J. W. Flather, Ltd.	303,000	1951	1953
		Pumping station	J. Mowlem & Co., Ltd.	90,000	1951	1953
		Pipelines and pipes	R. G. Horton (Engrs.), Ltd.; Salem Eng. Co., Ltd.; South Durham Steel & Iron Co., Ltd.; Stewarts & Lloyds, Ltd.	406,000	1953	1954
		Treatment plant	Candy Filter Co....	69,000	1953	1955
		Service reservoir	Lane Bros.	182,000	1953	1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
West Cheshire Water Board	G. H. Hill & Sons (Manchester)	Pumping plant	Harland Eng. Co., Ltd.	30,000	1953	1955
Exmouth U.D.C.	Ditto	Service reservoir	R. G. Horton (Engrs.), Ltd.	38,000	1950	1953
Harrogate Corpn.	Ditto	Service reservoir	H. Boot & Sons, Ltd.	69,000	1953	1955
East Lothian Water Board	Ditto	Whiteadder supply : pipelines, pipes and valves, filter house, filters, intake, pump house and pumps	W. P. MacNamara ; Brown Fraser & Co., Ltd.; R. Baillie & Sons, Ltd.; R. B. Baillie ; Cochranes (Middlesbro') Foundry, Ltd.; Stewarts & Lloyds, Ltd.; Bell Bros. (M/c) (1927), Ltd.; Harland Eng. Co., Ltd.	550,000	1952	1955
Royal Burgh of Inverness	Ditto	Pipelines, pipes, valves, &c.	W. Tawse, Ltd.; Cochranes (Middlesbro') Foundry, Ltd.; Glenfield & Kennedy, Ltd.	50,000	1953	1954
Towyn U.D.C.	Ditto	Pumping and treatment works, service reservoir and pipelines	Davies Bros., Barmouth ; Sulzer Bros. (London), Ltd.; Candy Filter Co., Ltd.	115,000	1953	1955
Huddersfield Corpn.	Huddersfield Corpn.: *J. P. Beveridge*	24in trunk main	Lehane, Mackenzie & Shand, Ltd.; Staveley Iron & Chemical Co., Ltd.	222,811	Apr., 1952	1953
		Service reservoir	Mitchell Constr. Co., Ltd.	67,876	May, 1952	1954
		Filter house	J. Wimpenny & Co., Ltd.; Bell Bos. (M/c) (1927), Ltd.	73,357	Apr., 1953	1954
Machynlleth U.D.C.	Sir Herbert Humphries & McDonald	Improvements to impounding reservoir ; installation of mains, filtration plant and 300,000-g. service reservoir	Tarmac, Ltd.	53,000	1952	June, 1953
Ruthin R.D.C.	Ditto	6in to 9in asbestos cement water mains, pumping mains, filtration plant and 45,000-g. service reservoir	J. S. Jones, Ltd.; others not yet let	90,000	Nov., 1953	—
Andover R.D.C.	Howard Humphreys & Sons	Regional water scheme : bore-holes, pumping plant, service reservoir and mains	G. Stow & Co., Ltd.; Hayward Tyler ; others not yet let	130,000	1953	1956
East Kesteven R.D.C.	Ditto	Regional water supply : bore-holes, pumping plant, service reservoir and mains	G. Stow & Co., Ltd.; Sulzer Bros. (London), Ltd.; A. Monk & Co., Ltd.; Bosworth & Wakeford, Ltd.	190,000	1952	1954
Hemel Hempstead R.D.C.	Ditto	Markyate & District water supply : mains and water towers	W. J. Fayers, Ltd.; A. E. Farr, Ltd.	95,000	1953	1955
Towcester R.D.C.	Ditto	Regional water supply	Bridgwater Bros., Ltd.; Stamford Constr. Co., Ltd ; J. Murphy & Sons, Ltd.; Ruddock & Meighan, Ltd.	250,000	Aug., 1950	1954
Rawmarsh U.D.C.	Husband & Co.	Service reservoir to withstand mining subsidence, distribution and trunk mains	Christiani & Nielsen, Ltd.; Tarslag, Ltd.	80,000	1949	1954
Ferodo, Ltd.	Ditto	Works water supply scheme, including 1 m.g. service reservoir	Russell Bldg. & Constr. Co., Ltd.	100,000	1951	1953
Kingston upon Hull Corpn.	Kingston upon Hull Corpn. Water Dept.	Construction of shafts and 3000ft of adits in the chalk	G. Stow & Co., Ltd.	110,000	1949	Dec., 1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estmated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Weir Wood Water Board : Weir Wood Scheme	Herbert Lapworth Partners	Impounding reservoir ; earthen dam, 41ft high, 560 yards long, capacity 1270 m.g.	R. Costain, Ltd.	555,000	Sept., 1950	—
		Treatment works, buildings and plant...	J. Jarvis & Sons ; Candy Filter Co.; Sulzer Bros., Ltd.	200,000	1951	—
		7 miles 24in steel mains	Stewarts & Lloyds, Ltd.; W. Press & Sons, Ltd.	197,000	1950	—
		Ancillary works : two covered service reservoirs (capacity 4 m.g. and 1 m.g.), 7 miles 12in and 8in mains, road diversion and emergency intake scheme	Foundation (Plant), Ltd.; S. M. Tidy (Public Works), Ltd.; H. Pannett, Ltd.; Stewarts & Lloyds, Ltd.	205,000	1950	—
Yeovil R.D.C. : Sutton Bingham Scheme	Ditto	Impounding reservoir, earthen dam, 40ft high, 350 yards long, capacity 540 m.g.	Holland & Hannen and Cubitts, Ltd.	401,000	1951	—
		5½ miles 18in and 15in spun iron mains	Stanton Ironworks Co., Ltd.; W. Press & Sons, Ltd.	77,000	1951	—
		Treatment works buildings, treatment plant and pumping plant ; Coker Hill service reservoir, capacity ¾ m.g., and emergency intake scheme	D. Singleton & Sons ; W. H. Allen. Sons & Co., Ltd.; Bell Bros., Ltd.	150,000	1952	—
Mid-Sussex Joint Water Board : Shell Brook Scheme	Ditto	River intake scheme, treatment works, pumping station and mains	E. H. Munnion, Ltd.; Candy Filter Co.; Staveley Iron & Chemical Co., Ltd.; W. Press & Sons, Ltd.	50,000	1950	1953
Kerrier R.D.C.	Ditto	Lizard and Mullion intake schemes : 15 miles 6in to 3in spun iron mains. Manaccan intake scheme : 30 miles 8in to 3in spun iron mains, treatment works and service reservoir	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd. ; E. Thomas & Co., Ltd.; others not yet let	121,000	1951	—
Carmarthen R.D.C. ...	Ditto	Llawddog scheme : 20 miles 8in to 3in mains, valves and pumping plant	Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Williams Bros.; Harland Eng. Co., Ltd.	100,000	1953	—
		Pumping station and service reservoir	Not yet let	—	—	—
Uckfield R.D.C.	Ditto	Mains, pumping station and service reservoir ...	Candy Filter Co., Ltd.; H. Pannett, Ltd.	30,000	1951	—
Crowborough District Water Co.	Herbert Lapworth Partners ; T. & C. Hawksley	Bore-hole, treatment works, pumping machinery and pipelines	Candy Filter Co., Ltd.; W. H. Allen, Sons & Co., Ltd.; S. M. Tidy (Public Works), Ltd.	100,000	1951	—
Leeds Corpn. Waterworks Dept.	Leeds Corpn. Waterworks Dept; *K. L. Forster*	Construction of four river intakes, 4½ miles 33in, 30in and 24in concrete-lined, cast iron main	F. Pilkington & Sons, Ltd.; G. Dew & Co., Ltd.; Staveley Iron & Chemical Co.	272,000	1952	1953
Leicester Corpn. Water Dept.	Leicester Corpn. Water Dept.	4 miles, 36in steel and cast iron trunk main... ...	A. Monk & Co., Ltd.; Stanton Ironworks Co., Ltd.; South Durham Steel & Iron Co., Ltd.	245,000	Dec., 1952	1954
		2½ miles, 18in and 1½ miles, 15in trunk main ...	Currall, Lewis & Martin, Ltd.; Stanton Ironworks Co., Ltd.	91,000	Apr., 1952	June, 1953
		2¼ miles, 27in trunk main	Whittaker Ellis, Ltd.; Staveley Iron & Chemical Co.	96,000	Oct., 1952	—
		1 m.g. service reservoir and 12in trunk mains ...	Peter Lind & Co.	50,000	May, 1952	1954

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Cosford R.D.C.	Lemon & Blizard	Regional water supply scheme : 86 miles 12in to 3in mains, pumping station and three r.c. towers, total capacity 0·55 m.g.	Biggs, Wall & Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; Pulsometer Eng. Co., Ltd.; others not yet let	400,000	Nov., 1950	—
Thingoe R.D.C. & Thedwastre R.D.C.	Ditto	Regional water supply scheme : 195 miles 15in to 3in mains, three pumping stations ; r.c. reservoir, capacity 1 m.g., four r.c. water towers, total capacity 0·85 m.g., iron removal and filtration plant	Pulsometer Eng. Co., Ltd.; Biggs Wall & Co.; J. Miller & Ptnrs., Ltd.; Rush & Tompkins, Ltd.; Stanton Ironworks, Co., Ltd.; J. Blakeborough & Sons, Ltd.; Permutit Co., Ltd.; F. W. Shanks, Ltd.	900,000	Jan., 1950	—
Isle of Wight Water Board	Ditto	West Wight water supply ; 4 miles 9in main, pumping station and service reservoir, capacity 1 m.g.	S. M. Tidy, Ltd.; Harland Eng. Co., Ltd.; G. E. Banks & Son, Ltd.	60,000	June, 1951	—
		Sandown-Shanklin water supply ; 2½ miles 18in and 12in pumping and trunk main and 1½ m.g. reservoir	S. M. Tidy, Ltd.; Cheek Bros. ...	73,000	Aug., 1952	—
Birchmoor Water Supply and Drainage Joint Committee	Ditto	2 miles 18in pumping main, bore-hole and booster pumps, pumping station, balancing tank and 1 m.g. reservoir	J. M. Hill & Sons, Ltd.; Sulzer Bros. (London), Ltd.	75,000	Dec., 1951	—
Wimbourne & Cranborne R.D.C.	Ditto	5¼ miles 12in and 9in pumping mains, pumping station, two reservoirs, total capacity 1m.g., and distribution mains	G. J. Furneaux, Ltd.; Harland Eng. Co., Ltd.	340,000	Mar., 1951	—
South Devon Water Board	Ditto	Impounding reservoir, capacity 305 m.g.; gravity dam and access road	W. J. Glossop ; others not yet let	500,000	1953	—
Romsey & Stockbridge R.D.C.	Ditto	Bore-holes, pumping station, reservoirs and mains	G. Stow & Co., Ltd.; others not yet let	200,000	Oct., 1951	—
Kingsclere & Whitchurch R.D.C.	Ditto	Bore-holes, pumping stations, reservoirs and mains	Tilbury Constr. Co.; G. Stow & & Co., Ltd.; Stanton Ironworks Co., Ltd.; Glenfield & Kennedy, Ltd.; R. E. Rowlands	350,000	Apr., 1951	—
Gipping R.D.C.	Ditto	Main water supply scheme ; pumping mains, two distribution mains and r.c. water towers, 500,000 g. capacity	Stanton Ironworks Co., Ltd.; Turners Asbestos Cement Co., Ltd.; Glenfield & Kennedy, Ltd.; Guest & Chrimes, Ltd.; Cubitt & Gotts	250,000	1953	—
South Cambridgeshire R.D.C.	Ditto	15 miles, 9in-3in mains steel water tower, capacity 35,000 g.; filtration plant, 25,000 g.p.h., bore-hole	Biggs Wall & Co.; Glenfield & Kennedy ; Stanton Ironworks; Turners Asbestos Cement ; Braithwaite & Co. Constr.; F. J. & T. E. Prime ; Candy Filter Co.; G. Stow & Co., Ltd.; others not yet let	57,000	1953	—
Berwick C.C.	J. & A. Leslie & Reid ...	Watch water reservoir ; 500 m.g., mechanical filters, tanks and mains from 21in dia.	R. Baillie & Sons ; W. P. MacNamara ; J. Turner & Co., Ltd.; and others	1,065,000	Oct., 1948	1954
Laich of Moray Water Board	Ditto	Reservoir, filters, tanks and piping	Cochranes, Ltd.; A. Robertson & Co.; R. Baillie & Sons	800,000	Oct., 1949	1956

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Fife C.C.	J. & A. Leslie & Reid ...	Concrete dam and access road	Holland & Hannen and Cubitts, Ltd.; John Best, Ltd.	938,000	June, 1949	1954
Stirling C.C.	Ditto	Western regional water scheme: distribution piping, filters, clear water tank	Stanton Ironworks; Staveley Iron & Coal; McBride & Co.	336,500	1952	1958
Lanark T.C.	Ditto	New water main	Not yet let	53,000	1954	1955
Liverpool Corpn. Water Dept.: Vyrnwy Aqueduct, Fourth Instalment	Liverpool Corpn. Water Dept.	Pipeline, 5¼ miles 42in all-welded steel pipeline and other works	South Durham Steel & Iron Co., Ltd.; Norwest Construction Co., Ltd., and others	357,000	Oct., 1953	1955
		Booster pumping stations	W. H. Allen Sons & Co., Ltd., and others	185,000	Oct., 1953	1955
		Micro-strainers at Oswestry	Glenfield & Kennedy, Ltd., and others	195,000	Oct., 1953	1955
		River Weaver crossing	Not yet let	75,000	1954	1954
		River Mersey crossing	Ditto	45,000	1955	1955
St. Asaph R.D.C.	Charles J. Lomax & Son; T. B. Farrington & Son	22 miles water mains, 3in to 8in, two pumping stations and two small service reservoirs	Ditto	120,000	1954	—
Hamilton B.C.: Daer Scheme	F. A. Macdonald & Partners	4 m.g. covered reservoir...	Hugh B. Kerr	172,000	1952	1955
Lanark C.C.: Daer Scheme	Ditto	8 m.g. covered reservoir...	—			
Manchester Corpn.: Haweswater Aqueduct	Manchester Corpn. Waterworks; *A. Atkinson*	Construction of Bowland Forest Tunnel (10 miles), three shafts and short lengths of cut-and-cover	Cementation Co., Ltd.	2,727,000	Mar., 1948	Completion of Haweswater Aqueduct 1954
		Construction of Marl Hill Tunnel (2½ miles) and short lengths of cut-and-cover	A. Waddington & Son, Ltd. ...	713,658	Oct., 1950	
		Construction of Haslingden & Walmersley Tunnels (11 miles), three shafts and short lengths of cut-and-cover	E. Nuttall, Sons & Co. (London), Ltd.	2,544,913	Aug.. 1949	
		Construction of short tunnels, conduits and siphons—Garnett Bridge to Lunesdale North Well and bridge over River Mint	Ditto	1,870,800	July, 1951	
		Laying of Lunesdale siphon	Earth & General Contracts, Ltd.	732,546	Nov., 1951	
		Supply of main control and air and discharge valves	J. Blakeborough & Sons, Ltd. ...	89,910	—	
		Supply, laying and jointing of 54,000 yards of supply and control cables	British Insulated Callender's Cables, Ltd.	56,465	Dec., 1951	
		Laying approx. 8000 yards of 48in steel pipes—Roch Siphon	Direct labour	176,000	Aug., 1950	
		Laying approx. 16,000 yards of 48in steel pipes—Ribblesdale siphon (South)	Ditto	300,000	Aug., 1951	
		Supply of steel pipes and formers	South Durham Steel & Iron Co., Ltd.	800,000	—	
		Pipe bridges over Rivers Ribble and Lune ...	H. Fairclough, Ltd.	120,000	June, 1952	
		Pipe bridges over Rivers Calder and Hodder ...	H. Wimpenny & Sons, Ltd. ...	48,000	Aug., 1953	

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Ashford Common... ...	Metropolitan Water Board ; *H. F. Cronin*	Filtration works and pumping station, pumping mains and appurtenant works	J. Mowlem & Co., Ltd.	4,551,807	Sept., 1947	1956
Chingford, South	Metropolitan Water Board ; L. G. Mouchel & Partners	Pumping station, machinery, screens and pumping connections	Caffin & Co., Ltd.	185,000	1954	1955
Hampton Works	Metropolitan Water Board ; *H. F. Cronin*	Sunnyside pumping station, pumping plant and mains	F. R. Hipperson & Sons, Ltd.; J. L. Eve Constr. Co., Ltd.; W. H. Allen, Sons & Co., Ltd.	168,000	May, 1947	May, 1954
		Reconstruction of low-level slow sand filter beds	Direct labour	196,000	Mar., 1947	—
Lee Bridge Works... ...	Ditto	Installation of ten rotary strainers	Glenfield & Kennedy, Ltd.; W. & C. French, Ltd.; W. H. Streeter, Ltd.	113,000	June, 1949	May, 1954
Lee Valley	Ditto	Additional flood protection works in Lee Valley...	Direct labour ; W. & C. French, Ltd.	58,200	Feb., 1949	July, 1953
Mainlaying	Ditto	30in, 24in, 20in, 15in and 12in mains, Eynsford and Horton Kirby to Bickley	Whittaker Ellis, Ltd.	209,055	Sept., 1951	Jan., 1953
		24in, 21in, 18in and 12in mains in the Knockholt area, Kent. 3800 yards 18in main and 2500 yards of 12in main, estimated cost of £44,500 (remainder deferred)	Ditto	138,750	Nov., 1953	Nov., 1954
		60in main, Kempton to Cricklewood : section No. 3, Lyndhurst Avenue to Abbey Avenue	J. L. Eve Constr. Co., Ltd.; South Durham Steel & Iron Co., Ltd.	450,500	May, 1950	Oct., 1953
		Section No. 4, Abbey Avenue to Cricklewood ...	J. B. Edwards & Co. (Whyteleafe), Ltd.; South Durham Steel & Iron Co., Ltd.	498,500	June, 1951	June, 1954
Darenth, Eynsford and Wansunt	Ditto	Contact tanks and chemical treatment plant ...	J. B. Edwards & Co. (Whyteleafe), Ltd.	51,700	Sept., 1953	Dec., 1954
Talybont Pipeline	Newport Corpn. Waterworks	Duplication of 28in and 24in trunk water main (12 miles)	Horseley Bridge & T. Piggott, Ltd.; Willment Bros., Ltd.	283,000	1952	1954
		5 m.g. covered service reservoir	Hinkins & Frewin, Ltd.	100,000	1951	1954
Deben R.D.C.	Pick, Everard, Keay & Gimson	70 miles water mains, 3 water towers and pumping station	E. J. Edwards. Ltd.; W. Ames, Ltd.; Turners A.C. Co., Ltd.	260,000	Oct. 1950	Nov., 1953
Oundle and Thrapston R.D.C.	Ditto	40 miles water mains, pumping stations and a water tower	E. J. Edwards, Ltd.; Vibrated Concrete Constr. Co.; Stanton Ironworks Co., Ltd.	90,000	Jan., 1950	1954
Lutterworth R.D.C. ...	Ditto	35 miles water mains, service reservoir, pumping stations, &c.	F. W. Young, Ltd.; Roads & Sewers, Ltd.; Stanton Ironworks Co., Ltd.; Pulsometer Eng. Co., Ltd.	130,000	Feb., 1950	1954
Swadlincote and Ashbys Joint Water Board	Ditto	Service reservoir and 10 miles of 12in main... ...	P. & G. McNamara ; Hussey, Egan & Pickmere, Ltd.; Stanton Ironworks Co., Ltd.	85,000	Sept., 1950	June, 1953
Preston C.B.C.	Preston Corpn. Water Department ; *E. C. Oakes*	212 m.g. storage reservoir	Direct labour ; L. Fairclough, Ltd.	255,000	1952	1955
Dearne Valley Water Board	W. H. Radford & Son ...	100,000 g. steel tank reservoir, 250,000 g. r.c. water tower, 10 miles 7in and 9in cast iron mains	Horseley Bridge & T. Piggott, Ltd.; direct labour	110,000	Nov., 1952	—
Matlock U.D.C. Waterworks	Ditto	Two pumping stations and 10,000 g. reservoir ; 3½ miles mains, 8in dia. and smaller	J. W. Wildgoose & Sons, Ltd.; Harland Eng. Co., Ltd.; direct labour	50,000	June, 1951	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Lurgan and District Waterworks Joint Board	Ernest Reid	Service reservoirs, pumping mains, purification works, 77 miles 16in to 4in spun iron pipes	J. McMullan & Co., Ltd.; Stewart & Partners, Ltd.; White & Co.; T. Lowe & Sons, Ltd.; B. Pattison Nutt & Co.; City Contrs. Plant Hire Co.; Collen Bros.	1,000,000	Sept., 1950	1954
South Armagh Waterworks Joint Board	Ditto	Service reservoirs, pumping mains, purification works, 34 miles 14in to 7in spun iron pipes	Not yet let	200,000	1954	1956
Rickmansworth & Uxbridge Valley Water Co.	Rickmansworth & Uxbridge Valley Water Co.	Two covered r.c. reservoirs, 3 and ½ m.g. capacities, 12,800 yards mains, 18in to 9in dia.	Higgs & Hill, Ltd.; A. Thomson, Ltd.	85,000	1951	1953
Anglesey C.C.	Rofe & Raffety	Distribution mains	P. Lowery & Co., Ltd.; Pochin (Contrs.), Ltd.; Stanton Ironworks Co., Ltd.	103,000	1952	1954
Falmouth Corpn.	Ditto	Raising masonry dam, treatment works, service reservoirs, mains	A. H. Dingle; E. Thomas & Co., Ltd.; Stanton Ironworks Co., Ltd.; Ham Baker & Co., Ltd.	193,000	1954	1955
Gosport Waterworks Co.: Meon Valley Scheme	Ditto	Spun iron mains 9in to 3in and service reservoir...	Campbell & McGill, Ltd.; Cochranes (Middlesbro') Foundry, Ltd.; H. Baker	83,000	1953	1954
Gosport Waterworks Co.	Ditto	Service reservoir and 18in spun iron main	Cochranes (Middlesbro') Foundry, Ltd.; others not yet let	90,000	1953	1954
North Devon Water Board	Ditto	Wistlandpound reservoir : earthen dam	J. Dennis & Son, Ltd.	200,000	1950	—
		Trunk mains, 14in to 18in	Stanton Ironworks Co., Ltd.; Stewarts & Lloyds, Ltd.	75,000	—	—
		Distribution mains, 3in to 9in	C. P. Unwin & Sons, Ltd.; J. Dennis & Son, Ltd.; G. Wimpey & Co., Ltd.; Devon Contrs., Ltd.; Rowse & Sleep, Ltd.; Smith & Lacy, Ltd.; Tancock & Co., Ltd.; Stanton Ironworks Co., Ltd.; Turners Asbestos Cement Co., Ltd.	420,000	1953	—
Wey Valley Water Co....	Ditto	Service reservoir and 9in to 12in spun iron mains	Stanton Ironworks Co., Ltd.; others not yet let	93,000	1954	—
Whitehaven Corpn. Lake Ennerdale Scheme	Ditto	Intake, spun iron pipes, 12in to 33in, pumping station and service reservoir	J. Laing & Son, Ltd.; Border Eng. Contrs., Ltd.; P. A. Baines & Sons, Ltd.; Paterson Eng. Co., Ltd.; Harland Eng. Co., Ltd.; Staveley Iron & Chemical Co., Ltd.; Glenfield & Kennedy, Ltd.	568,000	1949	1954
Buxton Corpn.	E. Sandeman, Kennard & Partners	Service reservoir	Russell Bldg. & Contr. Co. ...	45,000	1953	1954
		Filtration plant, pipelines, tank, &c.	—	100,000	1954	—
Dunmow R.D.C.	Ditto	15 miles pipelines and 250,000 gallon water tower	—	90,000	—	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY *(continued)*		£		
HOME						
Northallerton & District Water Board	E. Sandeman, Kennard & Partners	Impounding reservoir, pressure filter plant, filter house and trunk main	Stewart & Parts.; United Filters & Eng., Ltd.; W. Thompson (Contr.), Ltd.; Tarslag, Ltd.	300,000	1949	1954
North-West Sussex Joint Water Board	Ditto	Intake scheme, pumping and filtration plant, pipelines and service reservoirs	Stewart & Parts.; Sulzer Bros. (London), Ltd.; United Filters & Eng., Ltd.; Mears Bros. (Contr.), Ltd.	360,000	1950	1954
		Pumping stations and filter house	Keith Andrew & Co.	70,000	1952	1954
Tees Valley Water Board	Ditto	Selset impounding reservoir, capacity 2900 m.g.	Not yet let	3,000,000	1954	—
York Water	E. Sandeman, Kennard & Partners ; Ritchie & Partners	18in, 15in and 12in pipelines...	W. Press, Ltd.	65,000	1953	1955
		Water tower	Leightons (Contrs.), Ltd.	90,000	1954	—
Sheffield Corpn. Water Dept.	Sheffield Corpn. Water Dept.	Bradfield filters extension	Candy Filter Co., Ltd.; Green Bros. (Dore), Ltd.; direct labour	112,000	Oct., 1952	—
		Swinton-Mexborough 14in trunk main, 4690 yards	Staveley Iron & Chemical Co., Ltd.; direct labour	65,000	Nov., 1953	—
		9in to 18in supply mains to Rotherham and Kiveton Park rural districts, 7379 yards	Ditto	60,000	Nov., 1952	—
		9in and 12in trunk mains, Dore, Totley, Greenhill and Bradway districts. 13,680 yards	Ditto	120,000	May, 1952	—
Clare R.D.C.	Silcock & Simpson	Bore-holes, pumping station, reservoir, water tower and pumping machinery	Trevor Constr. Co., Ltd.; Hathorn Davey & Co.; Bury St. Edmunds Development Co.	240,000	1950	1954
Mildenhall R.D.C. ...	Ditto	Reservoir, water mains, pumping station, &c. ...	T. C. Stewart, Ltd.; F. W. Shanks, Ltd.; Worthington Simpson	50,000	1953	1954
Spalding R.D.C.	Ditto	Pumping station, piling, reservoir, water towers & water mains	Vibrated Concrete Constr. Co., Ltd.; W. & C. French ; Stamford Constr. Co.; Harland Eng. Co., Ltd.	134,000	1953	1954
Wharfedale R.D.C. ...	Ditto	Pumping station, reservoir, water mains	B. B. Kirk ; Hathorn Davey & Co.; Pulsometer Eng. Co.	50,000	1953	1954
Wisbech & District Water Board	Ditto	Pumping station, water mains	O. Staines & Sons ; F. W. Shanks, Ltd.; Harland Eng. Co.	55,000	1952	1954
Southport & District Water Board : Scarisbrick Scheme	Southport & District Water Board	Bore-holes, pumping stations, treatment plant and mains	J. Thom, Ltd.; others not yet let	398,700	Jan., 1954	1956
Sunderland & South Shields Water Co.	Sunderland & South Shields Water Co.	Burnhope pipeline scheme : pressure filters and sludge disposal works	Bell Bros., Ltd.; Holland & Hannen and Cubitts, Ltd.; W. Moss & Sons, Ltd.	222,365	June, 1950	1954
Colne Valley Water Co.	John Taylor & Sons	Impounding reservoir	W. & C. French, Ltd.	408,000	Sept., 1951	July, 1954
		Service reservoir, 25 m.g.	Not yet let	400,000	Jan., 1954	—
Tenby B.C., Haverfordwest B.C. and R.D.C.	Ditto	Reservoir and duplicate trunk main	Paterson & Dickinson, Ltd. ...	198,000	Jan., 1951	Aug., 1953

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
HOME						
Tenby Corpn.	John Taylor & Sons	Reservoir and trunk main	Paterson & Dickinson, Ltd. ...	157,000	Jan., 1951	May, 1954
Halstead R.D.C.	Ditto	Reservoir, water tower, pumping station and mains	F. R. Hipperson & Son, Ltd. ...	225,500	Feb., 1953	—
Blofield & Flegg R.D.C.	Ditto	Reservoir, pumping station and mains	Not yet let	188,000	—	—
Tees Valley Water Board	Tees Valley Water Board ; *T. S. R. Winter*	Rapid gravity filtration plant and two pumping stations at Broken Scar, Darlington, capacity 13½ m.g.d.	Sir L. Parkinson & Co., Ltd.; Gwynnes Pumps, Ltd.; Metropolitan-Vickers Co., Ltd.; Paterson Eng. Co., Ltd.; F. W. Brackett & Co., Ltd.; British Pitometer Co., Ltd.	730,000	Mar., 1951	Jan., 1955
		Long Newton pumping station	Tarslag, Ltd.; Gwynnes Pumps, Ltd.; British Pitometer Co., Ltd.	103,000	Dec., 1951	May, 1954
		Conversion of existing 6 m.g.d. raw water pumping station at Low Worsall to 9 m.g.d.	Gwynnes Pumps, Ltd.; Metropolitan-Vickers Co., Ltd.; others not yet let	70,000	1954	1955
Southend Water Co. : Western Reservoir, Hanningfield	Leslie Turner & Partners ...	R.C. reservoir, 5 m.g. capacity	Not yet let	80,000	1954	1955
Tynemouth C.B.	L. G. Mouchel & Partners, Ltd.	4½ m.g. covered r.c. service reservoir	Purdie Lumsden & Co., Ltd. ...	120,000	June, 1951	1954
	Tynemouth Corpn. Waterworks	2 miles 21in cast iron main and diverting existing 18in mains	Direct labour	60,000	Nov., 1953	1954
Wakefield Corpn. : Baitings Reservoir Scheme	Wakefield Corpn. Water Dept.; *T. S. White* ; J. Noël Wood	Impounding reservoir : concrete gravity dam ...	Ditto	1,189,000	1948	1956
Aberystwyth R.D.C. ...	Ward, Ashcroft & Parkman	Mainlaying. filter house extension and service reservoir	G. Argent & Co.; E. E. Jenkins, Ltd.; Bell Brothers, Ltd.; others not yet let	253,000	Nov., 1953	—
Prescelly Water Board ...	Ditto	Dam, filter house extension and pipeline	Direct labour ; Bell Brothers, Ltd.; United Kingdom Constr. & Eng. Co.; others not yet let	487,000	June, 1951	Jan., 1954
Grange - over - Sands U.D.C.	Ditto	Dam, pipeline and filter house	Not yet let	60,000	—	—
Cleveland Water Co. ...	Waterhouse & Rounthwaite	Impounding and service reservoirs and mains ...	P.A. Baines & Sons (Northern), Ltd.	450,000	May, 1953	1955
Ballymoney R.D.C., Co. Antrim	Ditto	Impounding and service reservoirs and mains ...	Not yet let	873,000	—	—
Brecknock R.D.C. ...	A. H. S. Waters	77 miles mains, eight service reservoirs, stream intake, treatment and pumping works	Davies, Middleton & Davies, Ltd.	500,000	1953	1955
Devizes R.D.C.	Ditto	Water supply : south-eastern area, 16 miles mains, pumping station and service reservoir	Not yet let	80,000	Feb., 1954	Feb., 1956
Luton R.D.C.	Ditto	Pumping stations, reservoirs and pipelines for Kensworth, Whipsnade and Studham	Hussey, Egan & Pickmere, Ltd....	90,000	Mar., 1952	Mar., 1954
Oswestry R.D.C.	Ditto	Pumping stations, reservoirs and pipelines for northern and western parishes	Jenks Bldrs., Ltd....	122,000	Jan., 1953	June, 1955
Pershore R.D.C.	Ditto	Water supply : 38 miles mains and two service reservoirs	Espley & Co., Ltd.	209,000	July, 1952	Jan., 1955

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY *(continued)*		£		
HOME						
Ross & Whitchurch R.D.C.	A. H. S. Waters...	Water supply : 13 miles mains, pumping station and service reservoir	Not yet let	108,000	Jan., 1954	Jan., 1956
Tadcaster R.D.C.	Ditto	Hook Moor area water supply : 9 miles mains service reservoir and ancillary works	Pridmore & Broadhead Ltd. ...	72,000	1952	1954
Upton - upon - Severn R.D.C.	Ditto	Water supply, southern area : 30 miles mains and service reservoir	Ankerdine (Public Works), Ltd.	98,000	Aug., 1951	Jan., 1954
Alcester R.D.C.	J. D. & D. M. Watson... ...	Local water supply	Ditto	136,000	Jan., 1951	Sept., 1953
Rugby R.D.C.	Ditto	Water supply schemes	Various	76,000	1951–53	—
Shipston - on - Stour R.D.C.	Ditto	District water supply	Ankerdine (Public Works), Ltd.; Topham Thornton Excavators, Ltd.	307,000	1952	—
Warwick R.D.C.	—	Bore-holes and water supply...	Various	86,000	1952	—
Wolverhampton Corpn. water undertaking	Wolverhampton Corpn. water undertaking : *B. L. McMillan*	Sandbeds repumping station, 1·4 miles 24in pumping main, 1·9 miles 12in main, and 3¼ miles 4in rural mains and water tower	Sulzer Bros. (London), Ltd.; Amies Bros.; Delaney & Brennan, Ltd.; Staveley Iron & Chemical Co., Ltd.; direct labour ; W. H. Rogers, Ltd.; Horseley Bridge and T. Piggott, Ltd.	90,490	1952	1954
ABROAD						
Crown Agents for the Colonies	D. Balfour & Sons	Gold Coast : Tamale water supply	Not yet let	800,000	1954	—
Magadi Soda Co., Ltd.	Ditto	Pipeline, 22 miles, treatment plant and reservoir	Direct labour	175,000	Jan., 1953	—
Sudan Light & Power Co., Ltd.	Ditto	Khartoum North : water supply	Misr Concrete Co.	125,000	Feb., 1953	—
Colombo Municipality Kalatuwawa Scheme	Binnie, Deacon & Gourley...	Concrete dam, 70ft high, 1200ft long ; two earthen embankments and other works ; reservoir capacity 3385 m.g.	Direct labour	900,000	1949	1953
		Treatment plant, 20 m.g.	Paterson Eng. Co., Ltd.	105,000	1950	—
Hong Kong : Tai Lam Chung Scheme (Crown Agents for the Colonies)	Ditto	Steel pipes and filter plant	Stewarts & Lloyds, Ltd.; Paterson Eng. Co., Ltd.	261,500	1952	—
		Gravity dam and ancillary works ; first stage 130ft high ; capacity 1150 m.g.	Major Contrs., Ltd., Hong Kong	462,000	1952	—
Lusaka (Rhodesia) Water Supply (Crown Agents for the Colonies)	Ditto	Steel pipes and pipelaying	Stewarts & Lloyds, Ltd.; J. Howard & Co. (Africa), Ltd.	214,000	1950	—
University College of the Gold Coast	Oscar Faber & Partners ...	Service reservoir	G. Wimpey & Co., Ltd.	80,000	—	1953
Municipality of Tehran, Iran	Sir Alexander Gibb & Partners	Piped water supply to City of Tehran	Local contractors ; British & foreign suppliers of plant & materials	8,000,000	1948	—
The Gambia	Howard Humphreys & Sons	Bathurst water supply	Not yet let	50,000	1954	—

Title of scheme and/or purchasing authority	Consulting engineers or supervising authority	Nature of scheme and notes	Main contractors	Estimated cost	Date of starting	Date of completion
		WATER SUPPLY (*continued*)		£		
ABROAD						
Freetown City Council : Sierra Leone (Crown Agents for the Colonies)	Howard Humphreys & Sons	Freetown water supply : site investigation, tunnel, trunk main and service reservoir	G. Wimpey & Co.; Stewarts & Lloyds ; others not yet let	250,000	1954	1956
		Water supply of Bo River intake, pumping plant, treatment works, service reservoir and mains	Not yet let	220,000	1954	1956
Sudan Govt. (Sudan Agency)	Ditto	Piped water supply to towns of Berber, Shendi, Dueim, Hassa Heisa, Rufaa, Gedaref, Aroma, Singa	Ditto	343,000	1954	1957
Nairobi City Council ...	Ditto	Sasumua dam, treatment works, filter plant and generating plant	Direct labour ; Candy Filter Co.; Gailey & Roberts	1,220,000	1950	1956
		Sasumua/Kabete pipeline	W. & C. French, Ltd.; Stewarts & Lloyds, Ltd.	304,000	1951	—
		Kabete reservoir	Mowlem Constr. Co., Ltd.... ...	180,000	1952	1954
San Fernando Borough Council (Trinidad)	Ditto	Service reservoir and mains	Ash & Watson, Ltd.; direct labour	176,000	1951	1954
Govt. of Trinidad ...	Ditto	Valsayn scheme : St. Augustine reservoir, mains and materials	Ash & Watson, Ltd.; Stewarts & Lloyds, Ltd.	128,000	1953	1955
		Carlsen Field, Sum Sum and San Fernando water supply	Part direct labour	92,000	1953	1955
		Waller Field, Sangre Grande water supply	Ditto	165,000	1953	1955
Protectorate of Zanzibar	Ditto	Water supply of Zanzibar Town	Ditto	50,000	1953	1955
Govt. of Kenya	Ditto	Northern Frontier Province : Samburu district water supply	Direct labour	500,000	1950	1957
Blantyre - Limbe Water Supply : Nyasaland Govt.	Scott & Wilson	Earth dam, purification works, pipelines	Constr.& Investment Co. (Nyasaland), Ltd.	385,000	Apr., 1951	Dec., 1953
H.H. the Ruler of Kuwait	John Taylor & Sons ; Ewbank & Partners, Ltd.	Water distribution system and storage reservoirs	Gulf Eng. Co.; Anaza Co.; Eternit S.p.A	1,200,000	Oct., 1952	Feb., 1954
Govt. of Qatar	J. D. & D. M. Watson ...	Doha water supply	—	350,000	1953	—

Printed in Great Britain
by George Reveirs, Ltd.,
10-12, Rosebery Avenue
London, E.C.1.